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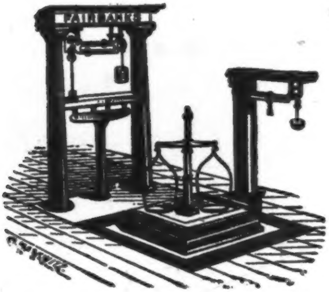

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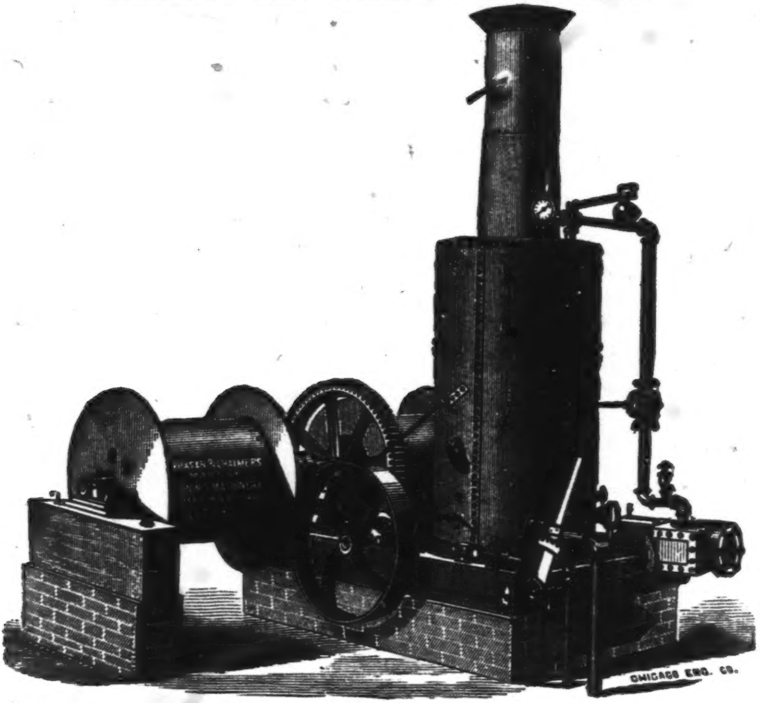

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—CONTAINING A—

DESCRIPTION OF THE MINES AND MILLS, AND THE MINING
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ARRANGED ALPHABETICALLY BY COUNTIES,

—AND A—

HISTORY OF COLORADO

FROM ITS EARLY SETTLEMENT TO THE PRESENT TIME.

THOMAS B. CORBETT.

FIRST EDITION.

DENVER.
ROCKY MOUNTAIN NEWS PRINTING COMPANY.
1879.

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TO THE

MINERS AND MILL-MEN OF THE CENTENNIAL STATE,

WHOSE NERVE, ENERGY AND INDUSTRY HAVE PLACED

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PREFACE.

The product of the mines of Colorado for 1878 was $9,829,817, as follows: Lake County, $2,650,000; Clear Creek, $2,250,000; Gilpin, $2,200,000; Boulder, $713,642; Custer, $600,000; Park, $479,000; Summit, $342,000; San Juan, $201,050; Hinsdale, $182,000; Ouray, $124,125; Rio Grande, $78,000; La Plata, $10,000. Such being the extent and importance of the mining industry of Colorado, it was evident that some accurate description of its many mines and lodes was of almost paramount importance to the general public, and especially to those who contemplated investments in the most extensive, and now the most prosperous, bullion producing section of the Rocky Mountains. To meet this want the present work was projected, and is now presented to the public. As its name implies, the aim of the Directory of Mines is to give, in a brief, compact and intelligible form, a knowledge of one of the principal sources of our productive wealth, valuable alike to the miner who is in search of capital for the development of his discoveries, and to the capitalist desirous of a profitable investment for his surplus millions.

The information contained in this work has been obtained by personal application, and is necessarily condensed, so as to present the largest amount of information in the least possible space. To the close observer, much that is contained herein may seem a repetition, but in order that each mine may stand on its own merits, and to facilitate the researches of those in quest of information, the facts regarding each location have been presented independently and by themselves. The aim of the publisher has been to render this book a standard work, and one that shall be necessary to all classes concerned in the development of our mining industry. It is not issued in the interest of any one class or locality, but has striven to embrace the entire mining community in its scope. That it contains the names of all the lodes in Colorado is not claimed, for there are hundreds which are not here recorded.

The history of Colorado is brief and accurate, and should not fail to be of interest, not only to those who participated in the early settlement of the Territory, but to all who are concerned in the development of our flourishing State.

To Dr. F. J. Bancroft, Rev. Charles C. Salter, Prof. Aaron Gove, Superintendent of the Denver Public Schools, Mr. W. R. Thomas, Secretary of the Colorado Industrial Association, my acknowledgments are especially due for valuable assistance in the preparation of this work. This book will be published biennially, with such changes as circumstances may require, and such improvements as experience may suggest. While no pains has been spared to make it complete and accurate, some mistakes will inevitably occur in the first, which will be corrected in the future editions. Those who have so generously aided me during the progress of this tedious and expensive work will be ever most gratefully remembered. Trusting that this work will meet the expections of my patrons, and of the State at large, I hereby respectfully submit it to their favorable patronage and criticism.

T. B. C.

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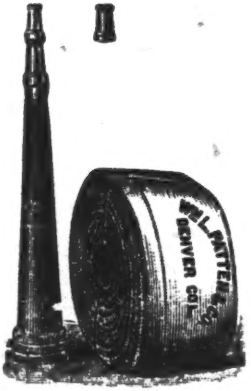
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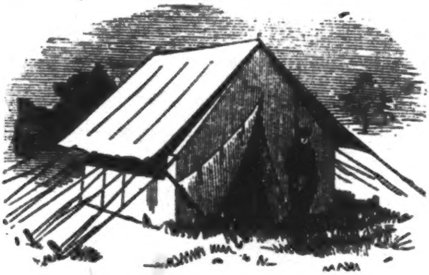

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HISTORY OF COLORADO.

On April 3d of the year 1803, Napoleon Bonaparte, First Consul of France, for the sum of $16,000,000, ceded to the United States, then under the presidency of Thomas Jefferson, all that vast territory entitled the Province of Louisiana. The province extended from the possessions of New Spain on the south, to the boundary line of the British possessions on the north, and had the magnificent Mississippi river on the one side, and the great Pacific Ocean on the other. At the close of the Mexican war, in 1848, by the treaty of Guadalupe Hidalgo, for the sum of $15,000,000, all New Mexico and Upper California—a region extending from the Rocky Mountains to the Pacific, and containing about 500,000 square miles—was ceded to the United States. This immense domain, thus acquired by purchase from France and Mexico, has been occupied by an intelligent and enterprising population, and divided into States and Territories, each an empire in its dimensions, and has been cultivated, developed, and embellished by all the arts and inventions of the most progressed civilization. One portion of this domain is Colorado, destined by her position, resources and climate to enjoy an immortal precedence among the States of our great Republic. Before the year 1858 very little was known of Colorado. It is recorded, with some apparent truth, that a large force of Spaniards and Indian allies, led by Coronado, a Spanish military captain, having for their object the discovery of gold, had, about the middle of the sixteenth century, penetrated to this section of the Rocky Mountains. The expedition, after incredible hardships, returned without the golden treasures, for which they had ventured so far and suffered so much.

Soon after the transfer of the Louisiana province, and the establishment of the United States authority therein, it was determined at Washington to ascertain the nature of the country, the sources of its large rivers and the general character of the climate. Accordingly, in the summer of 1806, a small expedition was equipped, and dispatched under the command of Lieutenant Zebulon M. Pike, who, for his skillful services, was, on his return, promoted to the rank of major. On the 15th of November, Major Pike and his small company beheld the prominent and stately mountain which in honor of the commander, was named Pike's Peak. Major Pike, in his diary, thus refers to this peak: "This mountain was so remarkable as to be known to all the savage nations for hundreds of miles around, and to be spoken of with admiration by the Spaniards of New Mexico, and was the bounds of their travels north-west." Directing his march with the course of the mountains, Major Pike continued his explorations. Failing to discover the object of his search—the source of the Red River—he retraced his steps, and proceeded in a south-westerly direction. Determined to find the headwaters of that important stream, and unconquered by the fearful severities of winter in the midst of the mountains, the little party of explorers pursued their way. Their discoveries were, however, brought to a close by an untoward event—the capture of the whole party by the Spaniards, who held a military post in the San Juan country. This arrest would hardly have occurred had the boundaries between New Spain and Louisiana been definitely known. In the year 1819 another and larger expedition was prepared, and ordered to explore this section of the Rocky Mountains. The party engaged in this enterprise had advanced a considerable distance into the Indian country without molestation, when its further progress was checked by the loss of their horses, which had been stolen by the Pawnee Indians. This mischance detained the expedition for a whole year. In June, 1820, Col. S. H. Long, the commander, all losses having been repaired, resumed his march. Early in the summer they reached the South Platte, and followed its course until the mountains came in sight. The massive giant peak, which stood out boldly and grandly before them, was, in honor of Col. Long, called Long's Peak. Col. Long made a careful examination of the mountains from Long's Peak to Pike's Peak, and of the plains lying along their base. A very full exploration of the Rocky Mountains was made in 1832, by Captain Bonneville, who commanded a party fitted out by the American Fur Company. The most effective expedition hitherto equipped by the Government, for purposes of exploration, was commanded by Col. Fremont, and set out in 1842. Upon his arrival at the South Platte, he sent the larger portion of his force to Fort Laramie, a post of the American Fur Company. With the rest of his command he advanced to Fort St. Vrain, an Indian trading post, situated seventeen miles east from Long's Peak, and one hundred miles north from Pike's Peak. From this point he journeyed northward, exploring the country beyond the limits of Colorado. Another band of explorers, conducted by Lieut-Col. Fremont, camped at Ft. St. Vrain in July, 1843. This party made accurate surveys of the regions known as north and south of the Divide—an elevated ridge, separating the Arkansas and Platte valleys; crossed and recrossed the range, ascertained many valuable facts, and mapped out the main geographical features of Colorado. But, so far, none of these explorers, nor any of the white inhabitants, mostly occupied in trading, trapping and hunting, had made any discovery of the vast mineral wealth now known to exist in this portion of the Sierra Madre mountains.

As the limits of Kansas formerly embraced a large part of what now constitutes Colorado, a brief summary of the early history of Kansas is essential. The territory of Kansas was organized on the thirtieth day of May, 1854. Then began her pupilage under the guardianship of Congress. In theory, the relation of a territory to the national government is that of a child to its parent. It is supposed to be under discipline and training, by which it will, in due time, be fitted to discharge the high and important duties incident to statehood. Kansas, it seems, was an unruly ward, and caused much trouble and anxiety to her guardian. In the Organic Act of the territory it was prescribed that the Constitution and all the laws of the United States should be in full force and effect, except the Missouri Compromise Act of 1820, which was declared to be inoperative and void in that territory. The Missouri Compromise, thus partially rescinded, opened the way for a pro-slavery and an anti-slavery agitation. Anti-slavery colonies from New England, and pro-slavery colonies from the Southern States, came to settle in the new territory of Kansas. Confusion, riot, and bloodshed soon followed. This unhappy state of affairs continued until the adoption of a State constitution prohibiting slavery. This important event occurred December

6th, 1859. From that time peace and order reigned. On January 29th, 1861, an Act for the admission of Kansas into the Union as a state, passed both Houses of Congress. On February 26th, 1861, Congress divided the new state, and organized the western portion into a territory bearing the name of Colorado. Kansas became a territory in 1854. From that year until 1858 no one authorized to represent the territory of Kansas appeared within the present limits of Colorado. The inhabitants before this time, beside the employees of the American Fur Company and a few independent trappers, hunters,and Indian traders, consisted of a scattered population of Pueblos and Mexicans, mostly engaged in stock raising in the vicinityof the Raton Mountains, and the roving tribes of savages. The Indian traders, among whom were Lieutenant Lupton and Vigil St.Vrain in the north, and Colonels Boone and Bent in the south, had erected small forts to shield them from the savages. The junction of the Fontaine qui Bouille with the Arkansas was a favorite winter rendezvous for the trappers and hunters,among whom was the famous Kit Carson. In 1854, the Ute Indians massacred, in one night, all who had assembled at this resort. Hitherto the protection of Kansas power and law had never been invoked, nor had the needs of the scanty and motley population occupied the attention of the Kansas government. In 1852 a party of Cherokee Indians, on their way from Georgia to California, discovered gold on the banks of a small stream tributary to the South Platte. On their return journey they showed the gold and reported the place of discovery. Exciting rumors of gold found in large quantities in the Rocky Mountains, inflamed thousands with the desire to reach and possess the open treasures. The first train of prospectors, led by W. Green Russell, Esq., started from Georgia. As they passed through Missouri and Kansas, the gold fever influenced many to leave home and competency for the distant plains and mountains teeming with riches. The Georgians took up their position where Denver now stands, and thoroughly prospected Cherry Creek from its mouth to its source, but as their labors were poorly rewarded, they gave the Platte, of which Cherry Creek is a tributary, a fair trial for six or seven miles south. Much disappointed, they set out for the North Platte and Green River regions, but faring worse, returned to their first location, and were made happy by larger returns for their labor. The first Kansas party built their camp fires near the present site of Pueblo. As the news of gold discoveries sped across the continent, a strong tide of emigration set in to the Pike's Peak country. Strings of wagons and troops of men, in constant succession, kept crossing the great plains, anxious, as they toiled on, to catch a glimpse of the blue outlines of the mountains, where fortune stood waiting to enrich the hardy adventurers. From all parts, and embracing all characters, poured in the earnest crowd, all animated by a common hope of attaining sudden wealth. J. W. Denver, after whom Denver, the present capital of Colorado, was called, was then governor of Kansas territory. But neither he, nor his successor Medary, nor even Robinson, elected State governor December 6th, 1859, could give scarcely any attention to occurrences in the distant Pike's Peak gold regions. Their thoughts and time were almost entirely engrossed by political events at home.

On the banks of the Platte, near Younker's ranch, about four miles above Denver, some of the Kansas company, who had camped on the Arkansas, with others, began to erect a number of log cabins. These were soon completed, and the name of Montana City was applied to the settlement. In these cabins a large party of prospectors spent the winter. On the 24th of September, a party of nine selected the east side of Cherry Creek, near its mouth, for a town site, and agreed to lay out 640 acres for that purpose. The peculiar and pious name of St. Charles was given to it, but no steps were taken to survey and plat the town or put up buildings, unless a few logs crossed together, with an old wagon cover for a roof, might be designated a house. Another company chose the west side of Cherry Creek for a town site, and in the latter part of October proceeded to construct some log cabins. These, and a number of others used as stores, were built, and the town called Auraria, from a small mining town in Georgia. The prospects of this new enterprise soon became encouraging, while Montana City in time lost its inhabitants, and its tenements went to ruin. A town company, composed mainly of Kansas citizens, on November 17th, 1858, took possession of the deserted St. Charles town site. Steps for the erection of cabins were immediately taken in order to secure the right of pre-emption. By New Year's Day Denver had twenty and Auraria forty cabins. Up to this time the settlements contained only three white women. In the fall of 1859, a warm rivalry existed between Auraria and Denver. This was manifested in every issue, and continued until the consolidation of Denver and Auraria in 1860. The first inhabitants of Boulder came to that section October 17, 1858. In the summer of 1859 settlements were made in South Park. In the autumn months of 1859 Mountain City, Boulder, Russellville, Colorado City, Golden and Arapahoe became large settlements. As the population increased, protection of life and property was felt as the special need. Animated, therefore, by a common desire to establish security, prevent and punish crime, the new settlers called a public meeting. The meeting was held November 6, 1858, in the settlement of Auraria, containing at that time about 200 inhabitants. The assembly, though composed of immigrants from different states, acted as citizens of Kansas territory. Out of the Pike's Peak country, as that part of the Rocky Mountains, and the plains around their base, were called, they formed a county, defined its limits, and named it Arapahoe, from a neighboring tribe of Indians. They also declared Auraria to be the county seat. They then proceeded to elect a delegate to Congress and a representative to the Kansas Legislature. H. J. Graham was chosen delegate, and A. J. Smith representative. This action of the assembly manifested a rare spirit of enterprise in politics. They declare a district of Kansas to be a county, and depute one of their number to the legislature with credentials of his election, and petitions that the county be established, and their representative be received. At the same time a delegate is dispatched to Congress with instructions to have the county converted into a territory. The delegate of *Kansas* Territory would be duly recognized and admitted to a seat in Congress. But to the delegate of Arapahoe county no such recognition or position would be tendered. His labors would be confined to the advocacy of the petitions and claims of the people he represented before committees, or with individual members of the House or Senate. Nevertheless, Mr. Graham hurried to Washington, impelled by the delusive hope that his mission would be successful, and that he would enjoy the honors and emoluments of territorial delegate. The people of Arapahoe county were 700 miles distant from Leavenworth, the capital of Kansas, without railroads or telegraphs, and with immense uninhabited plains lying between them and the territorial authorities. They, therefore, naturally desired to have the territory of Kansas divided, and the western part organized into a new territory. This arrangement, if consummated, would place the country on a stable footing. Peace and order would be maintained, the general prosperity promoted, while Congress and the nation would be directly acquainted with the growth, prospects and necessities of the country. Mr. Graham exerted himself to prevail on Congress to respect the petition of his constituents, but his efforts proved unsuccessful. Their representative, A. J. Smith, succeeded in his mission, had Arapahoe county confirmed, but was not admitted as a member of the Kansas Legislature.

During the winter of 1858 the population was only slightly increased. The settlements were governed by local laws, devised and adopted by the people, and these laws were executed by a probate judge and other officers, of the people's appointment. The first election of Arapahoe county officers, under Kansas laws, was held March 28, 1859. Over 700 votes were polled, of which 231 were credited to Auraria and 144 to Denver. The spring months brought a great increase to the mining population. From authentic sources it has been computed that, during the summer, the Pike's Peak gold regions contained 20,000 souls. An established and accessible government became indispensable. The subject pressed itself more and more urgently on the public mind. Their first attempt, in 1858, to impress Congress favorably with the necessities of their situation, had proved abortive. But a profound sense of their needs moved them to renew their efforts to prevail on Congress to consumate a partition of the territory of Kansas and to establish a separate government in this distant but populous region. A mass meeting was called, to convene in Auraria, April 11th, 1859. In the resolutions adopted, it was expressed as the unanimous sentiment of the meeting, that a separate and distinct government was not only important but necessary. By these resolutions, also, the several precincts of Arapahoe county were requested to choose delegates, to meet in joint convention on the fourth day after the meeting, April 15th, to consider the question of organizing a new state or territory. On the day appointed the delegates met. In order to save time and determine quickly, they pursued an eminently judicious course. They resolved on one subject of debate, and only one: "The formation of a new and independent state of the Union." It must be remembered that Kansas, at this time, was only a territory, though pressing her claims for recognition and admission as a State. Thus early, and prematurely, as facts subsequently proved, did the people, who crowded into this new country, seek for the honors and privileges of statehood. While these delegates were in session, or shortly after, the *Rocky Mountain News*, the pioneer journal of Colorado, issued its first edition, April 23d, 1859. This Auraria convention as a summing up of their labors, ordered a general election of delegates on the second Monday in May, to meet on the first Monday in June. At the time designated fifty delegates assembled. As in the April convention, only one subject, it seems, engaged their deliberations—the attainment of statehood. The work of drafting a constitution was intrusted to eight committees, in order to economise time and secure a complete instrument. The committees were requested to report, and submit their labors to a fuller convention, which was enjoined to meet on the first Monday in August. In the interval the several committees prepared their work. When the convention, which consisted of one hundred and sixty-seven delegates, met, the committees presented their reports. A constitution was completed, and arrangements made for its acceptance or rejection by the votes of the people. Though some members of the convention were sanguine of success, the majority thought the result would be adverse, and sought to provide against such a contingency. The day set for voting on the constitution and movement for a State, was the first Monday in September. The convention therefore that resolved that should the constitution be rejected, a delegate to Congress should be elected on the first Monday in October. The delegate would represent Jefferson Territory—the name given by the convention to Arapahoe county, or Pike's Peak gold regions. On September 4th, the votes for or against the constitution were cast, and resulted in 2,007 against, and 649 for, that instrument. A short time (about ten days) before the October election, it was proposed, at a mass meeting held at Auraria, that on the day a delegate to Congress was elected, delegates should be chosen to form a Provisional Territorial Government. The proposition was adopted. Accordingly, on the first Monday in October, this double election took place.

The governor of Kansas, in 1859, had issued a proclamation that Arapahoe county be established, and that a representative be elected. The Arapahoe county election for Kansas officials was therefore also held. Captain Richard Sopris was elected representative, and was the first member from Arapahoe county admitted to a seat in the Kansas legislature. An event worthy of relation, is the arrival of the Leavenworth and Pike's Peak express, May 17th, 1859. This assured direct communication with the capital of Kansas, and thence with all the States. It was a day of congratulations, one to be remembered. Another noticeable matter of record is the visit of Horace Greeley, editor of the *N. Y. Tribune*, who witnessed, with extraordinary interest the operations of gold mining. A letter, to which he attached his own signature, was published June 6, 1859. This letter set forth in strong language the large returns of the mines and placer diggings. As a consequence, another immigration that fall largely increased the population.

At the October election above mentioned, B. D. Williams was chosen delegate to Congress. He was an exponent of the August convention, and entrusted with the mission to memorialize Congress to separate the Pike's Peak region from Kansas, and organize it into a territory under the name of Jefferson. The other delegates chosen were instructed to form a Provisional Government. Eighty-six delegates met in convention. They entered upon their duties with great earnestness. A new constitution, called the "Organic Act of the Territory of Jefferson," was framed and adopted. Other important measures received their approval. The territory was divided into legislative districts. A full State ticket was nominated, and an election ordered for the fourth Monday of October, the same month in which they had been elected, had convened, had acted. The election took place; 2,000 votes were cast in twenty-seven precincts. The Provisional Government was adopted, a full corps of legislators chosen, and, indeed, all but one of the entire ticket elected. The purpose of the parties who had determined on a Provisional Government ran swift to its fulfillment. The legislature thus suddenly and questionably brought into existence, met and began their session. The message of the governor, R. W. Steele, was received with the usual formalities, and the session was passed in diligent legislative labors. Many general and special laws were enacted; nine counties were organized; a poll tax of one dollar was imposed, and a committee appointed to report full civil and criminal codes to an adjourned session, January 23d, 1860. In each of the nine newly organized counties, the governor appointed a probate judge, to hold office until the regular county election on the first Monday in January, 1860. The legislature met pursuant to adjournment, and for the remainder of the session devoted their attention to the report of the committee. Full civil and criminal codes were finally adopted. An *imperium in imperio* was now fairly established. Right in the midst of the Kansas Government stood the Provisional Government. The first resistance to the authoity of the latter, and protest against its legality, arose from the Arapahoe county officials, who were elected according to Kansas territorial law, and were therefore, beyond a doubt, legal. Besides this a remonstrance against the per capita tax, signed by seven hundred miners, was sent down from the mountains. In the valley, therefore, the Kansas and Provisional Governments held divided sway; and in the mountains the Miners' Courts and the Provisional Government contended for the mastery. Golden was the only settlement that wholly submitted to the Provisional Government. In truth, the authority of the Kansas officials was never fairly recognized, and they soon ceased to have even a nominal existence.

From 1858 to some time in 1861, two kinds of courts existed in the Pike's Peak region, whose decisions were final. These were called the People's Courts and the Miners' Courts. The People's Courts were improvised assemblies of the people, who convened to adjudicate criminal cases, such as murders, homicides, and other felonies. They were usually presided over by a probate judge or justice of the peace. The extreme penalties were hanging, lashes on the bare back, and banishment. The Miners' Courts were differently organized. Pursuant to a general call, all occupying a mining district met together. They fixed the limits of their district, adopted a miners' code, defined the duties of officers, and elected them for the ensuing year. A president, judge, sheriff, collector, surveyor, and recorder, who was *ex officio* treasurer and secretary of the district, composed the officers of the court, who were all responsible to the superior tribunal, the Miners' Meeting. These courts settled all claims and offences in mining districts. When a case was not settled in the courts, it was carried to the Miners' Meeting. There was no appeal from their decision. The courts organized under the Provisional Government were respected by the people, and their decisions accepted with general satisfaction. In Denver and some other places the People's Courts alone were recognized.

The year 1860 witnessed great activity in mining throughout the mountains. April 3d, 1860, Denver and Auraria, by mutual agreement of the citizens, were consolidated. During this year the celebrated Consolidated Ditch, constructed for mining uses, was completed. In the fall of 1860 Edward M. McCook was elected representative to the Kansas legislature. It is certain that no bills were passed for the benefit of his constituents, who formed a very small minority of the people, and it is a matter of doubt whether he received more than his mileage. On New Year's Day, 1860, Denver had two hundred and Auraria four hundred houses, with a combined settled population of one thousand. At the close of 1860 it was estimated that sixty thousand people, chiefly transient, were in the Pike's Peak country, and the population in and around Denver, four thousand.

The Pony Express, which started simultaneously from St. Joseph, Missouri, and Sacramento, California, April 9th, 1860, and which was conceived and made a success by the bold enterprise of W. H. Russell, Esq., was an event of unusual consequence to the whole nation. Telegrams from New York, by this conveyance, were delivered in San Francisco in eight days and four hours, and letters from San Francisco reached St. Joseph, Missouri, in eight days and nine hours. The great Pacific Mail Steamship Company had, for about ten years, held the contract for the transportation of the United States mails. This service realized a million dollars annually. By this line the transit of the mails took twenty-three days. But this achievement of the Pony Express, reducing the time to eight days and nine hours, induced the Government to change the route for the Pacific mails. The contract was given to Butterfield, who sub-contracted to W. H. Russell, through whom the Pike's Peak gold regions soon had ample mail facilities. On May 1st, 1860, began the publication of the *Rocky Mountain Herald*, daily edition, whose racy columns drew an encouraging patronage. In August, 1860, the first mail service was extended to the mountains. During this year, considering the number of lawless and reckless men congregated in this new country, comparatively few crimes were committed. The criminals guilty of murder were tried by a People's Court, sentenced, and hanged. During the summer months Denver was overrun by a crew of desperadoes and robbers, who, if resisted, did not hesitate to use any violence. They assailed the office of the *Rocky Mountain News*, and forcibly, with intent to kill, abducted the editor for his unsparing condemnation of their outrages. But the career of one of them was ingloriously terminated, being shot down by the citizens, and the fate of others speedily determined by the People's Courts. The rest hurried away to other parts, where justice did not follow the offender so surely and so swiftly. In the mountains crimes, at first frequent, soon almost disappeared, owing to the vigilance and prompt action of the Miners' Courts. At Washington the Congressional delegate indefatigably pressed the petitions of the people, and urged the necessity of immediately organizing a territory. Thus 1860 passed. The next year, so full of great events, brought the desired relief. On the 26th of February, 1861, a bill passed Congress designating the boundaries of the new territory of Colorado, which embraced portions of Kansas, Nebraska and Utah, and providing for its political organization and administration. The news of this important event was received with great demonstrations of joy.

In 1861 the Kansas officials had disappeared. The Provisional government continued to exercise its partially acknowledged authority until the arrival of the United States appointees for the new Territory. These arrived on the 29th of May. The Federal officers, who then came, with their sealed commissions, were: William Gilpin, Governor; Lewis Ledyard Weld, Secretary; B. F. Hall, Chief Justice; S. N. Pettis and Charles Lee Armor, Associate Justices; Copeland Townsend, Marshal; James E. Dalliba, Attorney General; F. M. Case, Surveyor General. The Provisional government now ceased. Its laws had been published, but not enforced, and its officers had the honor, but not the pay, of the positions they held. Governor Gilpin was welcomed with undisguised pleasure. His greeting was a perfect ovation. The people now felt a new sense of security, for the strong arm of the General Government was in their midst. The Governor at once proceeded with commendable energy to discharge the functions of his high office. His first duty was to see the settlements of the Territory, and ascertain the character, condition and wants of the people. This visitation was accomplished with great celerity. Wherever the Governor went, the joy and hospitality of the people knew no bounds. Everywhere he was welcomed with banquets, balls, congratulations. On his return to Denver, in accordance with his prescribed duty, a census was ordered. The returns exhibited a population of 25,329. The proportion of men to women was nearly five to one. The Governor, qualified July 8th, and was now in the full exercise of his authority. The other co-ordinate branch of Federal Government had now to be established. This was the United States Supreme Court. On July 10th, the Governor assigned the judges to their districts, and the Supreme Court immediately organized. On July 11th, he issued a proclamation, in which the Territory was declared to be one Congressional District, and the Congressional District to be divided into nine Council, and thirteen Representative Districts, and in which the election of a delegate to Congress, and of Legislative Assembly were ordered. The election was duly held on the 19th of August—Hiram P. Bennet was elected delegate to Congress. The Legislature of the Territory of Colorado convened on the 9th of September. They adopted full civil, and criminal codes.

They recognized the miners as authority in mining legislation, acknowledged the legality of their courts, adopted their laws, confirmed their decisions, and arranged for the transfer of cases to the regular courts, so that no jarring, nor inconvenience was experienced. Great praise is due to this legislative body for the laws they enacted, and though some have been found faulty, and others repealed, yet they have effectually served the needs of the Territory. When the rebellion had been in progress for several months, Gov. Gilpin issued a call for volunteers. Recruits quickly responded to the call, and the first regiment of Colorado infantry, under Col. John P. Slough, soon took the field. This infantry was transformed into a cavalry regiment, and did good service in repelling the Texan invasion early in 1862. During this year immigration received a strong impetus. It was computed that the daily arrivals, averaging one hundred, added in a short time ten thousand to the population as returned by the census. The city of Denver, including Auraria and Highland, was again incorporated in November, 1861. Among the industries, placer mining was most successfully prosecuted, California gulch alone yielding one million dollars.

In April, 1862, Dr. John Evans superseded Governor William Gilpin. The levy of the second regiment of Colorado cavalry was made this year, and the troops ordered to Missouri. In 1863 they were consolidated with the third regiment raised in Colorado. This body of cavalry did effective service in Missouri, and in 1864 won considerable renown in the movements executed against Price in his last invasion. They took a prominent part in four battles, to wit: Mine Creek, Oct. 22; Westport, Oct. 23; Charlot, Oct. 25; Newtonia, Nov. 4. The quantity of gold obtained by gulch mining this year exceeded any previous yield. H. P. Bennet was re-elected delegate to Congress in September.

In the year 1863 began in the East the stupendous speculation in gold mines. The spirit of speculation had infected all classes of people, and financial schemes were quickly devised to draw millions from the public. Among these Colorado mines prominently figured. On the 19th of April, Denver lost, by a severe conflagration, a sum estimated at a quarter of a million dollars. A branch telegraph line was completed from Julesburg to Denver in October, whereby telegraphic communication with the world was established. On the 7th of October, a treaty was concluded with the Tabeguache band of Utah Indians, by which the Indian title to all of the settled portions of the mountains of Colorado, and most of the San Luis valley, was extinguished.

In the year 1864 was the gloomy period of the rebellion. Speculation became a mania. Stock companies of the most gigantic character were organized on the basis of Colorado gold mines. It need hardly be said that thousands lost large sums by reckless investments in gold mining stocks. In the spring the Indians of the plains, composed of Sioux, Cheyennes, and Arapahoes, combined to carry on a bloody and exterminating war against the whites. They attacked the coaches; murdered, scalped, and mutilated the passengers. Exposed dwellings were surrounded and the inmates massacred. Emboldened by little or no resistance, they admitted no pause to their savage butcheries. This thoroughly roused the people to punish the hostile fiends. Twelve hundred men, under the command of Col. J. M. Chivington, hurried forward to meet the merciless savages, and arrest their work of horrors. They found and suddenly assailed a large troop of Cheyennes, about seven hundred in number, and with hearts steeled against mercy, dealt swift retribution, sparing neither age nor sex, until nearly all were destroyed. This stunning blow checked the Indian outrages. A temporary quiet ensued, and the roads were again animated with coaches and wagon trains. Much credit is due to Captain Tyler, who, with his brave company, opened and protected the line of communication with the States. On May 19th, a more disastrous calamity befell Denver than the fire of the preceeding year. An appalling flood swept down Cherry Creek, overwhelming large buildings, and sweeping them and their contents down its destructive current. Twenty persons perished in the ruthless waters. The damages were computed to be a million dollars. Near the close of the Thirty-eighth Congress, a bill was passed, in response to a petition of the Colorado Legislature, enabling the territory to organize a State government and enter the Union. Under its provisions a convention met in Denver July 4th, 1864, and framed a constitution. This was rejected by the people on the second Tuesday of October. In the fall of 1864, A. A. Bradford was elected delegate to Congress.

In 1865 the Indians renewed hostilities, apparently determined to force back immigration. All intercourse with the East was interrupted for a time. Business was paralyzed. Lonely ranches were invaded, and their occupants fiendishly massacred. This second outbreak of the Indians was effectually checked by United States troops. In the spring of this year all parties concurred in another attempt to organize a state. A convention met in Denver in August, and framed a constitution, which was adopted by a majority of 155. A State Legislature, and the complement of State officers, were elected November 14th. Ex-Governor William Gilpin was chosen State Governor. Ex-Governor John Evans and Jerome B. Chaffee were chosen Senators by the Legislature. Application for the admission of Colorado as a State was made during each session of the Thirty-ninth Congress. A strong disinclination to grant the application was manifested. An exigency, however, arose, which changed their disposition. The President, Andrew Johnson, had been impeached. The success of the impeachment was involved in doubt. To secure two Senators and a Representative, an enabling act was passed to admit the new State. The President, as might be expected, vetoed the bill. Governor John Evans was superseded by Alexander Cummings, who qualified October 19th.

In 1866 a reaction followed the prostration of trade and industry consequent upon the Indian outrages of the preceding year. An unwonted stimulus pervaded the Territory. Mining pursuits were followed with fresh vigor. In Denver and other places building was carried on with unparallel activity. Money became plentiful, and many laid the foundations of large fortunes. George M. Chilcott was elected delegate. Up to this time the bullion deposited in the mint amounted to $12,401,372, said to be less than half of the real yield. On May 27th, 1867, A. C. Hunt superseded Governor Cummings. The struggle for statehood ended with the winter of 1867–8, when it was found impossible to pass the bill over the veto. In the fall the Denver Board of Trade was organized, which principally labored to initiate the enterprise of building a railroad to join the Union Pacific Road at Cheyenne. Near the close of the year the Union Pacific Road reached Cheyenne. The Denver Pacific Railway and Telegraph Company was incorporated November 18th, 1867. During this year the various interests of Colorado were ably represented at the Universal Exposition in Paris. The first gold medal was awarded to the minerals of Colorado. The French Government, moved by Colorado's display at the Exposition, appointed an Imperial Commissioner, who visited the territory and reported his observations therein for the benefit of capital and science in France. The Kiowas and Comanches, the Cheyennes and Arapahoes were removed to reservations bordering on Colorado and

Kansas, where their southern boundary lines meet. By their treaties they stipulate to withdraw opposition to immigrants, settlers, and lines of railroad. In 1868 A. A. Bradford was again elected delegate to Congress. On June 15th, 1869, Edward M. McCook superseded Governor A. C. Hunt. The Denver Pacific Railway Company had been formed in 1867. Its principal object, as stated in the articles of incorporation, was to build a railroad and telegraph line to Cheyenne, and there connect with the Union Pacific Road. After some delay the funds were secured, the construction of the road hastened, and on the 23d day of June, 1870, the first train arrived in Denver. On the 15th day of August, the Kansas Pacific Railway, 640 miles in length, was completed. In September, seventeen miles of the Colorado Central were finished. The connection of Golden with Denver was thereby effected. In the fall of the same year the Denver and Boulder Valley Railway was opened to Erie, and subsequently completed to Boulder. During this year successful efforts were made to plant colonies in choice sections of the Territory. The Meeker-Greeley colony was organized in New York in the winter of 1869–70, and located in the spring. It now has a population of 2,000, happy and prosperous, and distinguished by prohibition laws and devotion to temperance. The town site of the colony is a delta formed by the Cache-a-la-Poudre and South Platte Rivers. The Chicago-Colorado colony is largely composed of Western men, and is animated by a liberal progressive spirit. The location of the colony is in every way most desirable. The energy and enterprise of the colonists excite great admiration. They have already a beautiful town, and a large extent of country under cultivation. The German colony may also be mentioned. It occupied Wet Mountain Valley, which lies in Pueblo and Fremont counties. Thus, by rapid transit, the Territory was brought into close communication with the States, and began to fill up with thousands, who, independently, or in co-operative association, settled for the purposes of agriculture. No sign so cheering as a settlement of a country by intelligent, enterprising farmers. Hardy, industrious miners had already crowded into the mountains, and skillful, energetic farmers now collected on the plains, intent to reap from them rich and abundant harvests. In the fall, Jerome B. Chaffee was elected delegate to Congress.

This year, 1871, dates the settlement of the Colorado Springs colony, distinguished for its rapid and prosperous growth. Situated seventy-five miles south from Denver, it became the temporary terminus of the Denver and Rio Grande railway, which was completed to that point during this year. The railroad has since passed on to Pueblo, and thence to Alamosa, on the Rio Grande, with branches to El Moro and Cañon City.

In 1872, Jerome B. Chaffee re-elected delegate to Congress.

In 1873, a large immigration into the San Juan region commenced, owing to reports of rich mineral discoveries. S. H. Elbert superseded Gov. E. M. McCook. Following the custom of those removed from office, the ex-governor proceeded to Washington to confer with the federal authorities, and in January, 1874, was re-appointed in place of Gov. Elbert. Severe and bitter editorials filled the columns of the press devoted to the fallen régime. A temporary division of the Republican party ensued. A lively contest for political supremacy followed and continued until the usual period for an election to Congress, when the two sides of the party marshaled themselves, the one to rebuke and the other to sustain the administration. The malcontents not only turned the election against the Republican nominee, H. P. H. Bromwell, but gave a large and unprecedented majority to the Democratic nominee, Thomas M. Patterson. This change in the popular vote deeply touched the administration, and it was determined, in order to reconcile the disaffected, to remove the obnoxious appointments, and fill the federal offices with men not implicated in the controversy.

During the year 1874, the South Park railroad was finished to Morrison.

John L. Routt, the successor to Gov. McCook, qualified on March 29th, 1875. He set to work without delay to unite the discordant factions and succeeded. The people in general were now fully persuaded that the time had come for demanding the privileges of statehood. The Republican delegate, Jerome B. Chaffee, had during the winter of 1874–5, drawn up an Enabling Act with much skill, and by persistent effort and untiring zeal, had, in the face of strong opposition, effected the passage of the bill. Before its passage the Act was amended so as to postpone the date of admission July 4th, 1876. Under this Act, delegates to frame a constitution were duly elected. They met in convention in December, 1875, and continued their session to March 13th, 1876, when the convention adjourned *sine die.*

The constitution was submitted to the people and adopted July

1st, 1876, by a large majority. The votes returned stood 15,443 for and 4,039 against the constitution. This constitution is an admirable production, and reflects great credit on those who framed it. Though not perfect, it contains the excellencies of all the State constitutions so far promulgated, and largely conforms in spirit to the liberality and intelligence of the people for whom it was prepared. President Grant, empowered by Congress, on July 4th, 1876, just one century since the declaration of independence, admitted the new State into the Union by proclamation. Hence Colorado's title—"The Centennial State." (The honor of first applying this title to Colorado is due to Capt. R. W. Woodbury, editor and proprietor of the *Denver Times*.)

In the spring of this year the Atchison, Topeka and Santa Fé railroad was completed to Pueblo. The Republican State Convention met at Pueblo, August 23d, and the Democratic State Convention at Manitou, August 29th. Full state tickets were nominated by each convention. Both parties entered upon the campaign not only sanguine, but confident of success. Up to the day of election the most strenuous efforts were put forth to insure victory. On the third day of October, as directed by the Constitution, the election was held. The vote polled was nearly 30,000. The entire Republican state ticket for the executive and judicial departments was elected. John L. Routt was chosen Governor; Lafayette Head, Lieutenant-Governor; William M. Clark, Secretary of State; D. C. Crawford, Auditor; George C. Corning, Treasurer; A. J. Sampson, Attorney General; Joseph C. Shattuck, Superintendent Public Instruction. The Legislature, in both House and Senate, had a Republican majority. In the Senate, nineteen Republicans and seven Democrats; in the House, thirty-one Republicans and eighteen Democrats. James B. Belford was elected Representative for the Forty-fourth and Forty-fifth Congresses. The Territorial Secretary had ordered an election for representative for the Forty-fourth Congress to be held October 3d, and afterwards an election for the Forty-fifth Congress to be held November 7th. On the third of October the people voted for a representative for both Congresses. The State Canvassing Board received and counted the returns. The Secretary recalled his order for an election November 7th, but an election was held, and Thomas M. Patterson received almost the entire vote. This vote the Canvassing Board refused to count.

At noon on November 1st the General Assembly convened. On

November 3d the executive officers were duly inaugurated. Judge Brazee administered the oaths of office. The Governor then delivered his inaugural message to the General Assembly. This message of the first governor of the State of Colorado was a sensible and well-written document. Its statements were accurate and clear, and its suggestions thoroughly practical. He thus addressed the General Assembly: "The people, by their choice, have signified their faith in your wisdom, integrity, and patriotism, and I feel assured that their confidence will not have been misplaced. Upon you, Senators and representatives, rests the responsibility of making our laws, and I trust that in your legislation you will have a single eye to the promotion of the general welfare. In this object it will be my greatest pleasure and chief aim to co-operate." In this message it was stated that the export of gold and silver bullion and ores amounts to nearly $8,000,000 annually, with a prospect of an increase to $10,000,000 in the near future. The total value of real and personal property in Colorado, in 1876, was estimated to be about $100,000,000. Up to 1877 the bullion deposited in the Denver mint amounted to almost $70,000,000 in value. The population of Colorado in 1870 was about 40,000, in 1876, 135,000. In the early part of the session the General Assembly chose two Senators—Jerome B. Chaffee and Henry M. Teller; and three Presidential Electors—Herman Beckurts, W. L. Hadley, and Otto Mears. After a protracted session, the General Assembly adjourned *sine die*, March 20, 1877. In the choice for seats between Senators Chaffee and Teller, the former drew the short term, and the latter the long term. The contest for the seat in the Forty-Fifth Congress was decided in favor of Hon. T. M. Patterson. In the fall of 1877, the Colorado Central railroad was extended from Longmont to Cheyenne,—an event which was celebrated by an excursion of the Omaha Board of Trade to Denver, and most of the leading towns of the State. In July, 1878, the Denver South Park and Pacific railway was completed fifty miles from Denver, through the renowned cañon of the South Platte to Bailey's Ranche, its present temporary terminus. Business for the year 1877 and 1878, indicated a most decided improvement in the commercial and industrial affairs of the State; while the returns from every department of productive labor were such as to give assurance of a renewed era of prosperity.

While this work is going through the press, an important political campaign is in progress for the election of State officers. The democratic convention met at Pueblo, July 17th, and made the following nominations: For Governor, W. A. H. Loveland, of Jefferson; For Lieutenant Governor, Thomas M. Field, of Conejos; For Secretary of State, John S. Wheeler, of Weld; For Treasurer, Nelson Hallock, of Lake; For Auditor, John H. Harrison, of Fremont; For Attorney General, C. Yeaman, of Las Animas; For Superintendent of Public Instruction, O. J. Goldrick, of Arapahoe; For Regent State University, Junius Berkley, of Boulder; For Representative in Congress, Thos. M. Patterson, of Arapahoe. The Republican nominating convention met at Denver on the 7th of August, and placed in nomination the following ticket: For Governor, F. W. Pitkin, of Ouray; For Lieutenant Governor, H. A. W. Tabor, of Lake; For Secretary of State, N. H. Meldrum, of Larimer; For Treasurer, N. S. Culver, of El Paso; For Auditor, E. K. Stimson, of Pueblo; For Attorney General, C. W. Wright, of Arapahoe; For Superintendent of Public Instruction, J. C. Shattuck of Weld; For Regent State University, H. M. Hale, of Gilpin; For Representative in Congress, J. B. Belford, of Gilpin. A greenback convention held in Denver, also put a state ticket in the field, but never with any show of success. After a most spirited and exciting contest, in which the State was thoroughly canvassed by both parties, a decided victory was had for the entire republican state ticket. The total vote of the State was 28,678, an increase of 2,602 over 1876. The vote on Congressman stood as follows: Belford, (Rep.), 14,294; Patterson, (Dem.), 12,003; Childs, (greenback), 2,291. The vote for state officers will be canvassed by the incoming State Legislature, which is strongly republican in both branches; and which will insure the election of a republican successor to the Hon. Jerome B. Chaffee, whose term as United States Senator expires March 4, 1879.

STOCK-GROWING.

Second in importance to no industry in the State is that of stock-growing. The rapidity of its growth, its wide extent, the success which has attended its pursuit, and the large returns which it is yielding to those engaged in it, all combine to warrant the assertion that it is one of the most certain avenues to wealth to be found in the far western country. It possesses a charm for many little short of fascination, due doubtless to the wild freedom, the occasional tinge of danger and hardship, the constant healthfulness and the numerous opportunities for gain which it affords to all who follow it. As a source of productive wealth to the State it is already one of the largest, and is increasing annually. What the ultimate value of the cattle export will be, it is difficult to estimate or predict, but certain it is that the live-stock industry of Colorado, including horses, cattle and sheep, and their product of beef, mutton, tallow, hides wool, pelts, etc., is destined to be one of the most extensive and remunerative, as it is one of the most attractive, of human pursuits.

Noticing more in detail the features of this industry, it may be divided into three parts—cattle, sheep and horses. Of these three, cattle-growing is by far the largest, and has the largest amount of capital interested in it. While there are but few farmers who have not more or less cattle which feed on the uncultivated lands outside their farms. The great grazing grounds of the State now extend from the eastern borders of the State up to line where farming begins, along the base of the mountains. From the Arkansas to the Platte, and along the Kiowa, Bijou, Running, Commanche, Sandy, Chico, and the numerous creeks which flow north and south into the rivers named, on the headwaters of the Republican, and where-ever upon the plains that water can be found in sufficient quantities for stock, there are now ranging hundreds and thousands of head of cattle, which know not what hay or grain is, which feed the year round upon the nutricious grasses of the plains, and grow fat upon them, when they are shipped to Eastern markets. This magnificent grazing region embraces an area of not less than 40,000 square miles, and the value of its cattle product in 1877 was something over $2,500,000. The number of cattle in the State is not known. Not even the assessors' returns afford an adequate basis for estimate. It is a well known fact that there are more cattle in Bent county alone, than are returned in the entire State for taxation. In the western and southwestern parts of the State, beyond the range, and in Middle and South Parks, the grazing facilities are equal to, if not superior to those found on the plains, and in these newly-settled localities stock-growing is both a growing and favorite pursuit. While most of the stock about our farms, which graze the year round upon the same range, usually over stocked, is fed during the winter months, or allowed to run to straw stacks, it is within bounds to say that at least 75 per cent., or more, is never fed, but grazes season after season upon the grasses of the plains. The annual losses from storms, exposures, and all other causes will not vary much from five per cent.

Next in importance to cattle is the sheep interest, whose growth within five years has been so rapid, that the amount of the wool-clip in 1877 was estimated at 5,000,000 pounds, an increase of about 2,000,000 pounds over the preceeding year. Sheep do remarkably well in all parts of the State, and flocks are found in almost every settled locality. Weld, Larimer, El Paso, Las Animas Conejos, with other southwestern counties, are the leading wool-growing centers. It is customary for those who engage in the business to buy Mexican ewes, and cross them with thoroughbred Merino bucks, which produces a hardy and well-sized sheep, and is again crossed with the Merino, the excellence of the wool increasing with the quantity of Merino blood infused in the flock. Not a few have tried the Cotswold, which cross produces an exceedingly fine sheep, with more than ordinary wool-yielding qualities. The favorite cross, however, is with the Merino. Wool-growing in this State is only yet in its infancy. It is still advancing with a rapidity that warrants the assertion that it is destined to occupy a leading place among the wealth-producing industries of the State. The returns are certain, the expense small, the profits large, and the inducements for remunerative investment, such as to insure an annual increase in the number of flock owners throughout the State.

The raising of horses ranks last among the live-stock interests. It is, however, gaining perceptibly, and will ultimately take a most respectable rank among the industries of the State. There is always certain to be a large market for horses in a country where mining prevails to so large an extent, and where so much teaming is being done through our mountain regions. There are a large number of thoroughbred stallions in the State, and their number is each year increasing. Those who make a business of buying and importing horses find that, among farmers, good, young mares meet with a more ready sale than do other horses, so that it is certain that the attention of the agricultural public is being turned more in this important direction. There are a few breeders who have ranches devoted entirely to the raising of horses, and they are meeting with marked encouragement and success. Halfbred colts that have been reared here upon our grasses, and at this altitude, are developing qualities of speed, endurance and disposition of a remarkable and satisfactory character.

Summing up this brief review of the grazing resources of Colorado, it need only be remarked in conclusion that no small share of the future wealth of the State lays in the nutricious grasses which cover her plains, and cloth her mountain sides. Stock-growing in all its various phases will take rank with mining and agriculture and become to those who pursue it intelligently and faithfully a certain avenue to competency or wealth.

AGRICULTURE.

The first settlers of Colorado were gold hunters. Their supplies were drawn from the Missouri valley, whose rich bottoms grew the wheat and corn upon which subsisted the hardy and adventurous miners who flocked from every portion of the States to the Pike's Peak discoveries. The idea of farming came second in the thoughts of the pioneers. In the minds of many, it was a question whether anything could be produced here. Our high altitude, our long, dry seasons, the necessity for irrigation, were all drawbacks which many deemed insurmountable. But those who were familiar with the agriculture of California and New Mexico were sanguine that the wealth of the embryo State did not consist alone in her newly discovered mines. If there was richness in our sands and quartz, there was also richness in our soils, which needed only the fertilizing influence of water, and the intelligent labor of the farmer to render them productive. The experiments of 1860 constitute the assured success of 1878. For twelve years—excepting bad years of grasshopper raids—Colorado has fed her own people with wheat, and had a surplus for export to New Mexico, Wyoming and the east. Every variety of grain, and all kinds of vegetables are grown profitably and with a luxuriance that rivals the oldest and best agricultural sections of the Union. Wheat and barley are raised in sufficient quantity for home consumption. Oats and corn are not produced in quantities equal to the demand. The mining region furnishes a market for these grains, which are especially adopted to the feed of teams and animals, which local agriculture has not been able to supply, and the result is a continued animal importation from the farms of Kansas and Nebraska. Owing to the necessity for irrigation, agriculture has been confined mostly to the valleys of the streams. At first only the bottom lands were cultivated; but gradually it has been extended to the uplands, and now hundreds and thousands of acres are cultivated which were once supposed to be barren. Immense irrigating ditches have been taken out of all the streams running from the mountains, and carried for miles along the valleys, distributing water to hundreds of farms, and extending growth, progress and improvement on every hand. The principal agricultural area lays along the entire base of the mountains from the northern to the southern border, and reaches as far out on to the plains as water for irrigation has been carried. The following are the leading agricultural valleys: Cache-a-la-Poudre, Big Thompson, St. Vrain, Left Hand, Boulder, South Boulder, Rock and Coal creeks, Ralston, Clear creek, Bear creek, the Platte valley from the cañon to the mouth of the Cache-a-la-Poudre, Cherry creek, Monument, Fontaine qui Bouille, the Arkansas from the mountains to the Rio Las Animas, the San Carlos, Apishapa. Huerfano, and Rio Las Animas, or Purgatoire, as it is more commonly known. These valleys are all embraced within the great basins of the Platte and the Arkansas, to which great rivers they are tributary. In the great southwestern portion of the State, beyond the Sangre de Christo range, embraced in what is known as the San Juan region, are numerous rich and fertile valleys, which are now rapidly filling up with an agricultural population. The development of the mines in that section, within the past three years, has created a market for every variety of produce; and it is a pleasant fact to add that the soils are rich, the climate inviting, and water abundant—requisites which are certain to be improved to their fullest capacity. To the west of the main range, in Middle Park, and down the valleys and small parks which reach toward the Utah line, there also exists every inducement for successful farming, of which many are already taking advantage.

As already indicated, the principal crop raised is wheat, which in ordinary seasons, with proper cultivation, yields from twenty-five to thirty bushels to the acre. Crops of thirty-five and forty bushels to the acre are often the reward of intelligent cultivation, but are not the rule. The amount of the wheat crop for 1877 was very closely estimated at 1,750,000 bushels. The yield for the present season will be about the same; for while the acreage is greater for the present year, the average yield per acre will probably fall below that of 1877. Barley is always a safe crop, and the yield is now equal to the demand, which is steady and certain owing to its superior malting qualities. It usually yields from thirty to thirty-five bushels to the acre. Oats grow luxuriantly, and yield from thirty to forty bushels to the acre; but the supply has never yet been equal to the demand, although they sell daily in the market for more than those raised in the States. Corn is raised successfully, but is not as profitable a crop as the small grains, owing to the cold nights of this high altitude. It is, however, grown more successfully in the valley of the Arkansas than in other portions of the State. Rye grows finely, but is not much raised. All kinds of vegetables are grown with the most remarkable success. In regard to fruit culture, it must be remarked that it is still an experiment. Strawberries are one of the most certain and profitable of crops. Other small fruits, such as raspberries, blackberries, and particularly gooseberries and currants, do remarkably well. Grapes seem well adapted to the soil and climate. It is also believed that pears and cherries will thrive well, as they have in many localities. There are a few apple orchards which promise well; and in some well sheltered places, peaches. That the money, and perseverance, and intelligence which has been brought to this matter of fruit growing is to be crowned with ultimate success there can be no doubt. Out of the failures and partial successes of the past, victory is certain to come, and even now seems at hand. Floriculture, it may be added, has met with the most abundant success, and is pursued with an intelligent appreciation of the beauty and civilizing effect of flowers that deserves especial notice and recognition. That our agriculture will be able to keep pace with the progress of our mining industry is a matter which admits of no doubt. The extension of irrigating canals, the more economical use of water, the increased use of improved agricultural machinery, the more careful and intelligent methods of cultivation, the certain cash market which exists, and last, but not least, the inexhaustible richness of our soils all warrant the assertion that Colorado agriculture is certain to be remunerative as well as ennobling to all who pursue it, and who bring to it that intelligence industry, economy and perseverance which is demanded for success in other avocations of life. Concluding this brief summary of agriculture in Colorado it may be stated that the value of our agricultural productions for 1877 including grain, vegetables, hay and dairy products, was closely estimated at $3,872,500.

GEOGRAPHY OF THE STATE.

Colorado is situated between the 37th and 41st parallels of latitude, and between the 102d and 109th degree of longitude west from Greenwich. It contains 106,000 square miles, which are nearly equally divided between plains and mountains. The eastern portion of the State is divided into two sections, known as Northern and Southern Colorado, by a great ridge, or, "divide," as it is called, which extends eastward from the mountains and which rises to an average elevation of 2,000 feet above the sea. The northern section of the State is drained by the South Platte and its tributaries; the southern half by the Arkansas and its tributaries. The western portion of the State is drained by the White, Grand, Gunnison, Uncompahgre, San Miguel, Rio San Juan and Rio Dolores Rivers, and their mountain tributaries. The average elevation of the eastern portion of the State is 5,000 feet above the sea. The mountainous portion of the State contains four great parks, known as North, Middle, South and San Luis Parks. These parks are elevated plateaus, which rise to an average highth of from 6,000 to 8,000 feet above the sea, surrounded by mountain peaks and ranges.

CLIMATE, ATMOSPHERE, ETC.

The following upon the climate of Colorado, and the inducements which the State holds out to invalids is furnished by Dr. F. J. Bancroft, one of the leading practitioners of the State: The altitude and geographical characteristics of different portions of Colorado have a marked effect upon the climate, and its adaptability to the various diseases and conditions of the human system; and therefore the State may be considered as climatically divided into two distinct parts, viz.: mountains and plains. The former comprising about one-half of the area of the State, and forming its western portion, consists of a succession of perpetually snow-clad ranges and peaks, separated by beautiful and fertile valleys and parks, which are from seven to nine thousand feet above sea-level, while many of the peaks attain an altitude of nearly fifteen thousand feet. It is well watered by clear, cold rivers and streams, which are rapid in their course, and abound with speckled trout. The forests are composed principally of pine and fir, which give a delightful and healthful aroma to the air.

Hot and cold mineral springs, possessing a great variety of medicinal virtues, are found in many localities. The atmosphere is a little moister than that of the plains, and is rare, clear, cool, and charged with an unusual amount of electricity. This region is unsurpassed in its endless variety of grand and beautiful natural scenery, by any place in America. Persons desiring to escape the fatal diseases incident to large towns and cities in the summer months, may here gain not only health and comfort, but pleasure; those who are fond of botany, may find in the abundant flora many of the rare and most beautiful plants and flowers, while those who have a taste for mineralogy, may also here find deposited almost every variety of the base and precious metals, from crude iron ore to the delicate frosted wire gold. Notwithstanding thousands of veins of the different kinds of minerals have been opened and worked, there still remain tens of thousands more hidden away in our hills and mountains, unfound and unclaimed. Primitive granite, hard enough for mill-stones, is stored here in mass, while upon the hillsides and valleys are found many precious stones, as white crystal, moss agate, topaz, onyx, opal, garnet, and amethyst. Those of a sporting turn of mind can find amusement either in angling for the wary trout, or in hunting the swift-winged grouse, the nimble deer and mountain sheep, the stately elk, or the aggressive grizzly bear. It is here that the chest expands to its fullest extent, and the lungs fill to their utmost capacity at every inspiration, in order to secure sufficient oxygen for the æration of the blood; and, owing to the lessened atmospheric pressure upon the body, capillary circulation is increased, and hence elimination and nutrition become more active.

With these qualities in such a climate,—its bright days inducing out-door sports; its cool nights bringing refreshing slumber,—it can be readily understood that even a short residence therein would cause the narrow in chest to become broad, the relaxed in muscle to grow strong, the thin in flesh to gain weight, and thoroughly regenerate those suffering from the bilious diseases caused by prolonged residence in malerial districts. Those who desire to make a tour of the mountains, of one, two or three months' duration, can always find in Denver, and other valley towns, guides, teams and camp equipage; while those who wish to enjoy the benefits and pleasures of the climate in luxurious ease, can go by rail to the foot of Pike's Peak, where are the soda, and the chalybeate springs, and large and commodious hotels in the midst of most enchanting and wonderful scenery; or, to the hot soda springs of Idaho, where comfortable quarters and every facility for bathing can be had in a lovely village, encircled by cloud-wreathed mountains, and in the neighborhood of the richest and most interesting mining district of this, our modern El Dorado. All of the springs are quite celebrated for their curative effect in rheumatic effections, as also for their tonic qualities.

The second climatic division of Colorado embraces the eastern portion, which extends from the foot of the mountains to the boundary line. It is an open prairie, or plateau, which varies in altitude from 3,000 to 6,000 feet above the level of the sea. It is watered by streams rising in the mountains, which are all swift in their courses. The soil is dry and alkaline, free from boggy and marshy places, and "blossoms as the rose," with a great variety of flowers during the spring months, but is principally covered with a short, thick herbage, called buffalo grass, which usually dries into sweet and nutritious hay during the month of August. Trees are only found along the river or creek bottoms. This portion has a pure, rare, dry air, bracing and exhilarating in its effects, warmed and softened by the rays of a genial sun, which is seldom shaded by clouds or hidden by storms, subject to frequent changes of temperature, but nearly free from dampness at all seasons, fogs and dews being almost unknown.

Many of the diseases that afflict the human race are mitigated or cured by residence in Colorado, but in this paper it is only intended to speak particularly of those affecting the air passages. The malady called Hay Asthma has rarely been known, and those who suffer annually from this distressing disease in other climates, may here hope to pass over the period of its attack without feeling a symptom of it. There is probably no other part of America where persons suffering from spasmodic asthma, unconnected with structural changes in the lungs and heart, find such speedy and perfect relief. Often those who have scarcely passed a night for years without experiencing a tightness and constriction about the chest, accompanied by labored breathing, though having used almost every known remedy for tranquilizing it, on their arrival here, breathe and sleep with perfect freedom.

Those who have asthma complicated with disease of the heart, or lungs, or both, improve more slowly, and a very few, usually those advanced in years, do not experience any appreciable benefit. Cases of chronic bronchitis in the great majority of instances rapidly yield to the healthful influences of the place.

Of the thousands of consumptives who have come to Colorado in all the stages of all the varieties of the disease, with the hope of an immediate cure, many have sadly failed to realize their expectations, and the effect has been to bring some disrepute upon our country as a resort for this class of invalids. A careful consideration of the effect of climate upon disease and the kind of cases that improve here, will I trust, make it one of the most popular places upon the continent.

The air is remarkably free from organic matter, (except in some towns where sanitary regulations are unknown), hence all cases in which the disease has been induced by miasma, or malaria, may reasonably hope for convalescence, providing a residence is selected where the air is pure, and not contaminated by filth, all cases not too far advanced, in which the progress of the disase is slow, may also hope for relief. On the contrary, those in whom the course of the disease is rapid, ought not to come to Colorado. It is extremely doubtful whether persons with the pulse constantly high derive benefit in this great altitude. Those in whom the malady is far advanced, should remain at home, unless they can come with all the comforts of home; even in hopeless cases the clear dry exhilerating air gives to the spirits a buoyancy which carries the patient to his final hour with less physical and mental suffering than could occur in damp and gloomy climates.

INHABITANTS.

The inhabitants of Colorado will rank with those of any State in the Union for intelligence, and enterprise, and all the qualities which go to make up a brave, generous and self-reliant people. The northern portion of the State, including the Platte Valley and its branches, was settled largely by immigration from Iowa, Illinois, Indiana, Ohio, and the New England and Middle States. The southern portion of the State, including principally the Arkansas and its tributaries, drew its immigration largely from Missouri, Texas and Arkansas, and the border States, and possesses in addition a Mexican population of several thousand. The more newly occupied localities, such as the San Juan, and the country beyond the range, have drawn settlers from all parts of Colorado and the States as well. This division, as given, however, must be regarded as extremely general. The population of Colorado is cosmopolitan in the extreme, and represents the most daring and enterprising and adventurous of the people of all nations and countries. What peculiar type of manhood and womanhood this commingling of people and races will produce is yet a matter of conjecture. The native born Coloradans are yet in their teens, and we shall have to wait a generation or two for character to crystalize, and develop into positive and well-defined traits. Noticing the various influences by which the youth of our State are surrounded, observing the ruddy health, the lithe limbs, the manly bearing, the sprightly action, and the quick intelligence beaming from their eyes, and calculating the effects of altitude and climate, and scenery, as well as the social, moral and educational advantages already to be enjoyed, it is not difficult to predict the main characteristics of the Coloradan of the future. Here will be developed a people which will not be wanting in any of the essential elements of a free, noble, generous and enlightened race.

Although not two decades old, society in Colorado is as well regulated, life as safe, property as much respected, and all the machinery of law in as quiet operation as in any of the original States of the Union. A people that, in less than twenty years, have created a taxable wealth of over $100,000,000, built towns and cities, erected churches and school houses, developed mines and farms and manufacturing resources, bred vast herds of cattle, sheep and horses, put into active operation all the complicated machinery of modern, social life, and carved for themselves an honorable name in the history of the Republic, needs no eulogy beyond the eloquence of their own achievements, and the record of heroic and successful endeavors.

COLORADO AS A RESORT—SCENERY—ETC.

The prominence which Colorado has assumed as a health and pleasure resort is fully warranted by the inducements which she extends both to invalids and tourists. The high altitude of her plains and mountains, the pureness of her air, the invigorating qualities of her atmosphere, and the variety, picturesqueness and grandeur of her mountain scenery, all combine to please, attract and retain those who seek her borders for health and happiness, rest and recreation. The benefits of Colorado as a sanitarium are so fully illustrated under the head of "Atmosphere and Climatology," that the subject need be pursued no farther in this connection; and may be dismissed with the single remark that while the invalid is undergoing a restoration to health, he can enjoy the beauties of our mountain scenery as well, and find much to please the eye, to divert his attention, and to draw his mind from himself and his troubles to the ever-changing and magnificent effects of plain and mountain, of sky and cloud, of storm and sunshine, which nature so lavishly spreads out for those who dwell along the base, and within the shaddows of the great *Sierra Madre* range. The number of tourists who annually visit Colorado is very large and is increasing each year. Manitou, Colorado Springs, Idaho, Hot Sulphur Springs, Estes Park, Green Lake, Twin Lakes and Gold Lake in Boulder county are fast becoming as fashionable spas as Saratoga, or other eastern watering-places. These are merely the leading resorts; but all over the State are hundreds of pleasant and attractive points where fine scenery, good fishing and hunting, pure air and water and quiet but excellent hotels, where a few days or weeks can be most profitably spent. To dwell at length upon the varied character of our mountain scenery would be beyond the scope of this paragraph. Only a few distinctive features can be noticed. The view of the main range, extending in a majestic sweep of three hundred miles can best be seen from Denver; but fine views of sections of the great mountain chain can be had from almost any point along the range, a few miles out from its base. The most noted of the cañons are the Grand Cañon of the Arkansas, Cheyenne Cañon, Platte Cañon, Turkey Creek Cañon, Clear Creek Cañon, and Boulder Cañon. The principal peaks are Long's, Pike's, Gray's, James', Mount Lincoln, the Mount of the Holy Cross, Raton and the Spanish Peaks. The prominent mineral springs are those at Cañon City, Manitou, Idaho, and in Middle Park. To name the locations where especially fine mountain views can be had would be almost impossible. The mountains abound with the grand, the beautiful and the picturesque, and the tourist is delighted at every turn, and on every hand, by scenes not surpassed on this continent, or in the old world. No one should visit Switzerland or the Alps, until they have seen Colorado and the crown of the continent. Facilities for traveling are most ample; railways extend to all prominent points; stage lines and livery will carry passengers at living rates to all places which are not reached by the Palace car; hotels are numerous and excellent, and travel in Colorado and the Rocky Mountains will be found as pleasant and as elegant as in the White Mountains or the Catskills. Expenses are no higher, and in many respects less than at eastern watering-places, which fail to afford the rest, the recreation, the instruction and the genuine pleasure of a tour of the Rocky Mountains.

CHURCHES AND SCHOOLS.

Perhaps no State in the Union can show a more rapid growth of church and educational institutions, in proportion to its age than Colorado. All of the leading Catholic and Protestant denominations are firmly established and are represented by vigorous and growing organizations, and by able talent. The last meeting of the Colorado Presbytery reports thirty-two churches; thirty ministers; 1,360 members, and 2,379 in the Sabbath Schools. Six churches have been organized during the past year. The oldest church is the Central, formerly First Presbyterian of Denver. The Presbytery reports $48,000 contributed during the year, about $30,000 of which was raised to complete the Central church of Denver.

There are twenty-three Protestant Episcopal Churches in the State, and twelve clergymen, with 850 communicants, and 919 Sabbath school scholars. Rt. Rev. J. F. Spalding, D. D., is the Bishop of the missionary jurisdiction of Colorado and Wyoming. The year 1877 reports 111 confirmations, 234 baptisms; money contributed, $17,591; value of church property, $136,000. The oldest church is St. John's, of Denver; organized February 19, 1860. It has been self-supporting from the start. Wolfe Hall, Denver, is a school for girls, and had in 1877, eighty pupils and seven teachers.

Jarvis Hall a school for boys, and Matthews Hall, the theological seminary located at Golden, were destroyed by fire during the last year. The two buildings were insured for $16,000, a sum which will be reinvested for educational purposes.

The annual Baptist Association of 1877, reports twenty-four churches, with ten pastors and a membership of 1,026, additions during the year 159. The oldest Baptist Church in the State, the First Denver, was organized in 1863, and reports a membership of 266. The youngest churches are those of Del Norte and Lake City, organized in 1877.

In the Congregational Society, as reported January 1, 1878, there are eight churches in the State, with a membership of 455, and 625 in Sabbath schools. Additions during the year were 111. The oldest church was organized in Central, 1863. Organizations have been expected this year in Silverton, Leadville, and South Pueblo. Colorado College, Rev. E. P. Tenney, President, was founded 1874 at Colorado Springs, and had an attendance January, 1877, of seventy pupils.

The Colorado Methodist Episcopal Conference was organized in 1863, holding its first session at Denver. It then numbered six preachers, twenty-four members, one church, five Sunday Schools, with attendance of 362; value of church property, $300. In ten years it numbered thirty-two preachers, 1,330 members, twenty-five churches, thirty-five Sunday schools, with 2,736 in attendance; value of church property, $120,100. In 1878 the conference reports churches, thirty-five; preachers, thirty-nine; members, 2,035; Sunday schools with 2,505 in attendance; value of church property, $114,900.

The German Reformed has one church at Denver, with forty-five members; German Sunday school, thirty-five; English Sunday school, eighty.

The Methodist Episcopal Church South, has eleven churches. That at Denver is the oldest and numbers 125; with 100 in Sunday school.

The public school system of Colorado was erected by the first State Legislature in the winter of 1876–77. The provisions of the school law are such as its framers could compile from similar laws of other States. The sentiment of the people, expressed through the legislature was so emphatically in favor of free public education, that both the House and the Senate, irrespective of party, were nearly unanimous in their approval of the bill drafted by the committee on education. The bill was introduced by Mr. P. E. Morehouse, of Clear Creek county, and to his ability and interest, the State owes much of its present excellent law. It is believed to be the best school law yet enacted by any State, and while experience will doubtless indicate changes, in the main it will remain the law of the land, while the population of Colorado is made up of the element that now composes so large a part of its citizens. A State Superintendent, elected by the people for a term of two years, has supervision of the public school system. County Superintendents are elected by the people of each county for a term of two years. School districts are the final subdivisions of the system. These districts are made by the people, under certain restrictions, and are controlled by the residents of the district. Annually a Board of Directors is elected, in whose control is placed all the details of conducting schools, engaging teachers, etc. The districts are divided into three classes. The first class comprises a school population of more than 1,000—(Denver is the only district of the first class); the second class comprises districts of a school population of more than 350 and less than 1,000; the third class all districts containing a school population less than 350. Districts of the first class have a Board of six members, two of whom are elected annually for a term of three years. Districts of the second and third classes have a Board of three members, one of whom is elected annually for a term of three years. Provision is made for a union high school, made up of the union of two or more contiguous districts. Teachers must possess a certificate of qualifications before legally qualified to teach; these must be attained from the county superintendent. The schools have heretofore been supported by direct taxation. The parsimonious allowance by the United States Government to Colorado for a school fund has as yet yielded nothing, and but a trifling amount can reasonably be expected from 4,000,000 acres of desert lands. Each county must levy a school tax of not less than two nor more than ten mills on the dollar of assessed valuation. This fund, when collected, called the county fund, is apportioned to the several disdistricts in the county, according to the school population therein. Whenever the county fund is deemed by a district insufficient to support a school such as the community of that district desire, a special tax may be levied on the property of said district for the support of the schools of that said district.

Whenever the people of a district wish to erect a school house, they may direct the levying of a building tax for that purpose. All these taxes are so hedged about, that the consent of a majority of the tax-payers must be obtained before action.

The support of schools in Colorado has caused more dollars *per capita*, to be paid by the people, than has been paid by any other State. This is an indication of the public school sentiment, and argues the most unparalleled prosperity for the Centennial State.

RAILROADS.

There are at present writing, nearly 1,200 miles of railroad in operation in Colorado; and which radiate from Denver as a common centre. The Denver Pacific extends from Denver to Cheyenne, a distance of 106 miles, and passes through the valleys of the Platte and the lower Cache-a-la Poudre, connecting Denver with Platteville, Evans and Greeley. The Colorado Central, broad gauge division, also connects Denver with Cheyenne, passing through Golden, Boulder, Longmont, Loveland, and Fort Collins, and across the valleys of Clear creek, Ralston, Boulder, Left Hand, St. Vrain, Big Thompson and Cache-a-la-Poudre, embracing the richest and most productive agricultural region of the State. The mountain or narrow gauge division diverges from the main line at Golden, and extends up Clear creek cañon with branches to both Central and Georgetown. The Denver and Boulder Valley road runs from Denver to Boulder, and connects Denver with the extensive coal deposits about Erie. The Denver and Rio Grande railway reaches from Denver south 250 miles to Alamosa, in the upper Rio Grande valley, and is being pushed southward toward Santa Fé, New Mexico, which point it is expected to reach early in January 1879. Branches extend from Pueblo to Cañon City, and from Cucharas to El Moro. The Denver, South Park and Pacific, a road constructed wholly by Denver enterprise and Denver money, has been completed through the wonderful cañon of the Platte to Webster, and is being rapidly extended to the South Park, with Leadville for its immediate destination. The Kansas Pacific railway from Denver to Kansas City, and the Atchison, Topeka and Santa Fé railroad from Kansas City to Pueblo, and thence connecting with the Denver and Rio Grande for Denver, form, with the junction of the Colorado Central and Denver Pacific with the Union Pacific at Cheyenne, the three great trunk lines for the east. The Union Pacific crosses the extreme northeastern corner of the State, while the Kansas Pacific and Atchison, Topeka and Santa Fé have each upwards of 300 miles of road within the borders of the State. The latter company is busy extending its line southward via Trinidad and the Raton pass, with the intention of pushing directly onward across the continent to a connection with the Southern Pacific, and thus form a second overland line to the Pacific coast. The San Juan region will doubtless be reached within a year by extensions either of the Denver and Rio Grande, the Atchison, Topeka and Santa Fé, or the Denver, South Park and Pacific,—all of which lines are looking in that direction. The railway progress of the State must therefore be termed both rapid and satisfactory. In 1870, the first line of road was completed within the State, and by 1880, it is safe to predict, that not less than 2,000 miles of railway will be in successful operation within the borders of Colorado, and which will connect every producing section with the chief commercial city of the State, and with the still more important commercial centres of the Atlantic and Pacific coasts.

ARAPAHOE COUNTY.

The area of this county is 4,860 square miles. It is bounded on the north by Weld county, south by the counties of Douglas and Elbert, east by the State of Kansas, and west by the counties of Jefferson and Boulder. The population is 32,000. The following are the names and description of its mills, mining and milling incorporations.

Boston and Colorado Smelting Co., organized under the laws of the State of Massachusetts, May 11, 1867; capital paid up stock, $750,000 in 7,500 shares, $100 each; offices Boston, Mass., Denver and Black Hawk, Colorado; J. W. Converse, Pres't, J. Warren Merrill, Treasurer, Prof. N. P. Hill, general manager, Henry R. Wolcott, assistant manager, Richard Pearce, metallurgist, A. VonSchulz, assayer in charge. The Black Hawk works were commenced in 1867, and consist of a group of buildings covering nearly 5 acres of ground, they are situated on the Colorado Central Railroad and on North Clear creek within the limits of Black Hawk, one mile from Central City. They have a capacity for treating 60 tons of ore daily, and employ 100 men.

ALMA, BRANCH WORKS, erected in 1874; Henry Williams, Sup't; situated in the town of Alma in the county of Park, sixty-three miles from Black Hawk, and one hundred miles from Denver. These works have a capacity for treating 25 tons of ore daily, and employ ten men.

BOULDER SAMPLING AND CRUSHING WORKS, erected in 1876; C. G. Duncan, agent; situated corner Pearl and Eighth streets, in the City of Boulder, forty-three miles from Denver, and twenty-eight miles from Black Hawk; have a capacity for treating 25 tons of ore daily, and employ six men.

ARGO, the Denver works, situated two miles north of Denver on the Colorado Central Railroad, was commenced in June, 1878, and erected under the supervision of the general manager, Prof. N. P. Hill. This property comprises 80 acres of land, on which are built the main works of the company, consisting of a refinery 64 feet in width by 293 feet in length with a wing 40 by 77 feet, a smelting house 283 feet in length by 38 feet in width; an ore house 119 feet in width by 224 feet in length with a wing 33 by 91 feet; a calcining house 119 feet in width by 224 feet in length; an office, counting room and assay labratory 42 by 81 feet; and a coal shed 51 by 178 feet. These works are constructed of stone, and covered with a superior quality of corrugated iron roofing, and every department is equipped with the latest and most complete machinery selected with especial reference to the extraction of the precious metals in a manner profitable alike to the miner and the mill management. In addition to the foregoing buildings there are five two story brick dwelling houses of six tenements each, a large hotel with accommodations for 100 persons, together with stables, sheds and other houses of minor importance. The works are surrounded by a substantial stone wall, have a capacity for treating 100 tons of ore daily and give employment to 150 men.

Bunker Hill Placer Mining Co. Incorporated July 28, 1877, capital stock, $20,000 in 200 shares $100 each; office Littleton; trustees John G. Lilley, Julius D. Hill and Hiram S. Leach.

Colorado Dry Placer Mining Co. Incorporated April 16, 1877, capital stock, $350,000 in 3500 shares, $100 each; office Denver; trustees James C. Langhorne, John J. Vandemoer, Rufus W. Hedges, John Ermerins, Constant Duhem, Erastus S. Bennett, Lucy J. Bennett, Bertha Ermerins and —— Gortmans.

Denver Concentrating and Smelting Co. Incorporated December 8, 1874; capital stock, $100,000 in 100 shares $1000 each; office Denver; organized by C. F. A. Fischer, Francis M. F. Cazin and Eugene P. Jacobson.

Denver Diamond Company. Incorporated November 18, 1872; capital stock $5,000,000 in 50,000 shares $100 each; office Denver; organized by William S. Walker, William N. Byers, Benjamin F. Woodward, A. Cameron Hunt, Isaac N. Dawley, James H. Jones, Levin C. Charles, Samuel H. Elbert and Henry Crow.

Denver Dry Ore Reduction Works. Scheyer & Co., proprietors; situated in the City of Denver, convenient to the Denver and South Park Railroad depot; has a capacity for treating six tons of ore daily.

Denver Smelting and Refining Works. Incorporated December 20, 1872; capital stock, $100,000 in 1000 shares $100 each; located in Denver; organized by Joseph S. Miner, Hiram G. Bond and Joseph E. Bates.

BOULDER COUNTY.

The area of this county is 794 square miles. It is bounded on the north by Larimer county, south by the counties of Gilpin and Jefferson, east by the counties of Arapahoe and Weld, and west by Grand county. The population is 13,000, and the bullion product for the year 1878, $713,642. In the following pages will be found a description of its mining and milling interests.

Adda. William G. Pell, Capt. Ebenezer Rowland, Charles G. Van Fleet, and D. D. Hendrick, proprietors; office Boulder; claim 150 by 1500 feet; located 1878; situated near Springdale, Central mining district, twelve miles from Boulder; course of vein northeast and southwest, average width 2½ feet, pitch 5° north; nature of ore, tellurium and free gold, average value $60 per ton; main shaft 25 feet deep.

Alamakee. Joseph Steppler, proprietor; office Denver; claim 50 by 1200 feet, patented; located 1868; situated on Gold Hill, ten miles from Boulder; course of vein northeast and southwest, average width 3½ feet, pitch 10° north, pay vein 10 inches; nature of ore, free gold; average value $165 per ton; main shaft 40 feet deep, one level 50 feet in length; yield to date $4,000.

Alcrona. Chicago and Colorado Mining Co., proprietors; offices Boulder, Colorado, and Chicago, Illinois; claim 150 by 1500 feet, patented; located 1875; situated on Left Hand creek, Ward mining district, four miles from town of Gold Hill, and sixteen miles from Boulder; course of vein east and west, average width 4 feet, pitch north, pay vein 6 to 15 inches; nature of ore, iron pyrites and free gold; average value $122 per ton; main shaft 50 feet deep, one level 40 feet in length, and 50 feet from surface.

Alice. Owned by Henry and Ira F. Monell and others; office Salina; claim 150 by 1500 feet; located 1878; situated on Melvina Hill, Gold Hill mining district, eight miles from Boulder; course of vein northwest and southeast, average width 2½ feet, pitch 30° north, pay vein 1 to 8 inches; nature of ore, tellurium; average value $100 per ton; main shaft 60 feet deep.

Alps. John Williams and Matthew Holt, of Jamestown, proprietors; claim 150 by 1500 feet; situated in Central mining district, one mile from town of Springdale and eleven miles from Boulder; course of vein northeast and southwest, average width 1 foot, pitch 5° north; nature of ore, iron pyrites and free gold; main shaft 25 feet deep.

Alturas. John Williams, Geo. Newcomb, and Daniel Drummond, proprietors; office Gold Hill; claim 50 by 1400 feet; located 1871; situated on Gold Hill, Gold Hill mining district, twelve miles from Boulder; course of vein northeast and southwest, average width 6 feet, pitch 5° northwest, pay vein 2 feet; nature of ore, tellurium, free gold and native silver; average value $100 per ton; main shaft 25 feet, and one other shaft 15 feet deep, one drift 77 feet in length; total yield $500.

American and Ajax. American Consolidated Gold and Silver Mining Co., of Connecticut, proprietors; incorporated 1877; capital stock $1,000,000 in 100,000 shares of $10 each; H. G. Angle, Pres't, C. Goddard, Sec'y and Treasurer, J. Alden Smith, Sup't; offices, Sunshine Colorado, and 31 Broad Street, New York; claim 250 by 1500 feet; located 1874; situated in town of Sunshine, Gold Hill mining district, six miles from Boulder; course of vein northeast and south-west, average width 2½ feet, pitch 6° east, pay vein 2 inches to 2 feet; nature of ore, tellurium, of gold and silver, sylvanite, petzite, calaverite, coloradoite and free gold, average value of first class ore, $4,000, second class ore, $800, and third class ore $200 per ton; main shaft 400 feet deep; five levels, 40, 100, 140, 200 and 300 feet from surface respectively, aggregating 1,000 feet in length; shaft house, 30 by 60 feet containing a hoisting apparatus, 20-horse power engine, machinery for crushing and sampling ore and one steam pump; assay laboratory in connection with office.

American Eagle. James R. Davidson, William P. Clayton, J. Bedal and G. B. Green, proprietors; office Gold Hill; claim 150 by 1500 feet; located 1876; situated in Gold Hill mining district, 10 miles from Boulder; course of vein northeast and southwest, width 4 feet, pitch 5° north, pay vein 12 inches; nature of ore free gold, average value $75 per ton; main shaft 40 feet, and one other shaft 12 feet deep.

American Flag. John Holmes and S. B. Mills, proprietors; office Magnolia; claim 150 by 1500 feet; located 1875; situated on Magnolia Hill, Magnolia mining district, 8 miles from Boulder; course of vein east and west, width 4 feet, pitch 30° north, pay vein 4 to 8 inches; nature of ore, tellurium, average value $75 per ton; main shaft 85 feet deep.

Americus. Owned by Hugh and Thomas F. Harkins and L. T. Haak; office Sugar Loaf; claim 150 by 1500 feet; located 1875; situated in Forest Gulch, Sugar Loaf mining district; 10 miles from Boulder; course of vein northeast and southwest, width 5 feet, pitch northwest, pay vein 3 feet; nature of ore, tellurium, average value $100 per ton; main shaft 35 feet deep.

Arlington. John W. James and P. J. Werley, proprietors; office Caribou; claim 50 by 1500 feet, patented; discovered 1872; situated at Cardinal, Grand Island mining district, 18 miles from Boulder; course of vein east and west, width 5 feet, pay vein 5 inches to 2 feet, pitch 20° north; nature of ore, iron pyrites, carbonates of copper and galena, average value $200 per ton; main shaft 100 feet deep, one tunnel 150 feet in length.

Atchison. Owned by the Atchison Mining Co., Dundee Scotland; George G. Philip, Supt.; office Salina; claim 50 by 1500 feet, patented; located 1874; situated in Gold Hill mining district, near town of Salina, 8 miles from Boulder; course of vein northeast and southwest, width 21 feet, pay vein 4 feet, pitch 25° northeasterly; nature of ore, tellurium and gray copper; main shaft 100 feet deep, one tunnel 300 feet in length, intersecting vein at a depth of 150 feet, one level 25 feet in length; 10 stamp mill run by steam and water power.

Badger State. James H. Jones and D. Mahan, of Sunshine, proprietors; claim 150 by 1500 feet; situated in Gold Hill mining district, half mile from town of Sunshine, and 6 miles from Boulder; course of vein northeast and southwest, width 6 feet, pitch 10° north, pay vein 1 foot; nature of ore, tellurium and sylvanite, average value $97 per ton; main shaft 90 feet deep, one level 25 feet in length.

Balarat. August Paddock and Frederick Luce, proprietors; office Boulder; claim 150 by 1500 feet; located 1876; situated on Balarat Hill, Central mining district, 19 miles from Boulder; vertical vein trending northeast and southwest, width 4 feet, pay vein 1 to 6 inches; nature of ore, tellurium, value $1052 per ton; main shaft 100 feet deep, one tunnel 55 feet in length and 160 feet from surface, one level 25 feet in length; yield to date $2000.

Baron. Owned by C. C., F. and Clem C. Eddy and A. R. West; office Salina; claim 150 by 1500 feet, patented; located 1875; situated on Melvina Hill, Gold Hill mining district, half mile from town of Salina and 8 miles from Boulder; course of vein northeast and southwest, width 3 feet, pay vein 10 inches; nature of ore, tellurium, average value $200 per ton; main shaft 70 feet deep.

Bay State. Owned by Frederick W. Strout and James Stevens, of Sunshine; claim 150 by 1500 feet; situated in Wagner's Camp, Gold Hill mining district, two miles from town of Magnolia and seven miles from Boulder; course of vein northeast and southwest, width 4 feet, pitch 5° southeast, pay vein 2 feet; nature of ore, tellurium of silver, average value $255 per ton; main shaft 10 feet deep.

Bay State and Colorado Mining Co. Incorporated November 11, 1872; capital stock $100,500, in 335 shares, $300 each, office Caribou; trustees, Theodore O. Saunders, E. W. Houghton, O. O. Austin and W. H. Elliott.

Belcher. John A. Ellet, proprietor; office Boulder; claim 150 by 1500 feet, patented; located 1873; situated near town of Caribou, Grand Island mining district, 23 miles from Boulder; course of vein northeast and southwest, width 4 feet, pay vein 6 to 18 inches; nature of ore sulphurets and galena, average value 50 ounces in silver per ton; main shaft 110 feet deep; two levels aggregating 130 feet in length.

Belden. Frank C. Garbutt, and Thomas H. Baker, proprietors; office Denver; claim 150 by 1500 feet; located 1874, situated on Gold Run, Gold Hill mining district, 10 miles from Boulder; vertical vein, running east and west, width 4 feet, pay vein 18 inches; nature of ore gray copper and tellurium, assay value $500 per ton; main shaft 30 feet, and one other shaft 10 feet deep.

Belleview. Alex. Von Wendt and Joseph Steppler, proprietors, office Gold Hill; claim 150 by 1500 feet; located 1872; situated on Gold Hill, Gold Hill mining district, 12 miles from Boulder; vertical vein running northeast and southwest, width 6 feet, pay vein 2 feet; nature of ore gray copper, assay value $6,500 per ton; main shaft 65 feet deep, one adit 200 feet in length; total yield $2,500.

Bendigo. Owned by the Smuggler Mining Co.; claim 150 by 1500 feet, located 1876; situated in Long's Gulch, Central mining district, 17 miles from Boulder; course of vein northeast and southwest, width 4 feet, pay vein 12 inches, pitch 5° north; nature of ore tellurium; operated through the main workings of the Smuggler mine.

Bettie. Granville M. Button and A. Gilmore, proprietors; office Boulder; claim 150 by 1500 feet; located 1878; situated on Jim creek, Jim creek mining district, 16 miles from Boulder; course of vein northeast and southwest, width 3 feet, pitch north, pay vein 18 inches; nature of ore tellurium, average value $675 per ton; main shaft 50 feet deep; yield to date $3,000.

Big Blossom. Claim 150 by 1400 feet; situated in Castle Gulch, Central mining district, one mile from Springdale and 12 miles from Boulder; course of vein northeast and southwest; width 30 feet, pitch 25° southeast; nature of ore, tellurium and free gold, value $50 to $20,000 per ton; main shaft 125 feet deep, one level 60 feet in length and 50 feet from surface; yield to date $7,000.

Big John. William Haardt and John Hasselbacher, proprietors, office Springdale, claim 150 by 1500 feet, located 1877; situated in Castle Gulch, Central mining district, half mile from town of Springdale, and 12 miles from Boulder; vertical vein running north and south, width 2 feet, pay vein 10 inches; nature of ore, gray copper and sulphurets, average value $491 per ton; main shaft 20 feet deep.

Big Thing, Anthony Arñett and Thomas J. Graham, proprietors; office Boulder; claim 50 by 2775 feet, patented; located 1863; situated in Central mining district, 14 miles from Boulder; course of vein northwest and southeast, width 6 feet, pitch 5° north, pay vein, 2 feet; nature of ore, galena and copper pyrites, average value $40 per ton; main shaft 110 feet deep; yield to date $3,000.

Birdie Emma. Turner Tunnel mining and milling Co., proprietors; office Boulder, Colorado, and Lexington, Kentucky; claim 150 by 1500 feet; located 1877; situated at the head of Weare gulch, Grand Island mining district, 2 miles from Caribou and Nederland, and 20 miles from Boulder; course of vein, northeast and southwest, width 3 feet, pitch 17° north, pay vein 14 inches; nature of ore, iron pyrites and free gold; reached by the Turner Tunnel at a distance of 50 feet from the mouth, and intersected at a depth of 30 feet.

Bismark. William Haardt and John Hasselbacher, proprietors; office, Springdale; claim 150 by 1500 feet; situated in Elkhorn gulch, Central mining district, 2 miles from Springdale and 12 miles from Boulder; vertical vein, running northeast and southwest, width 12 feet, pay vein 3 feet; nature of ore, tellurium; main shaft 15 feet deep.

Black Cloud. Black Cloud Gold and Silver Mining Company, of Michigan, proprietors; incorporated 1876; capital stock $500,000; John B. Mass, Pres't, John Richardson, Vice-President, John Mitchell, Sec'y and Treasurer, Ebenezer Rowland, Gen'l Superintendent; office Boulder; claim 50 by 1500 feet, patented; located 1871; situated on the west side of Bighorn Mountain, Gold Hill mining district, 2 miles from Salina, one mile from Gold Hill, and 11 miles from Boulder; course of vein northeast and southwest, average width, 4 feet, pitch 10° north, pay vein 6 to 30 inches; nature of ore, gray copper, zinc blende, rosin zinc, sulphurets of copper, iron and copper pyrites, lead and free gold; average value $50 per ton; main shaft 200 feet deep, 3 levels, aggregate length 900 feet.

Black Prince. Daniel Drummond, John Williams, and M. J. Holt, proprietors; office LeftHand; claim 150 by 1500 feet; located 1876; situated on Gold Hill, Gold Hill mining district, 10 miles from Boulder; vertical vein trending northeast and southwest, average width 2 feet, pay vein 6 inches; nature of ore, tellurium and free gold, average value $50 per ton; main shaft 30 feet deep.

Bonanza. Silas T. Tumbleson, proprietor; office Gold Hill; claim 150 by 1500 feet; located 1877; situated on Bonanza Hill, Central mining district, 5 miles from town of Jamestown, and 13 miles from Boulder; vertical vein running northwest and southeast, average width 4 feet, pay vein 22 inches; nature of ore free gold, average value $80 per cord; main shaft 50 feet deep; aggregate depth of other shafts, 200 feet, one level 50 feet in length, and 35 feet from surface; yield to date $10,000.

Bondholder. Cyrus Strock and Frederick C. Bucherdee, of Jamestown, proprietors; claim 150 by 1500 feet, located 1878; situated in Gillaspie gulch, Central mining district, 2½ miles from Jamestown, 18 miles from Boulder; course of vein northeast and southwest, average width, 4 feet, pay vein, 1 foot; nature of ore tellurium and free gold; main shaft 50 feet deep.

Boulder. Porter T. Hinman, proprietor; office Modoc; claim 150 by 1500 feet, patented; located 1874; situated on Four Mile creek, Sugar Loaf mining district, 10 miles from Boulder; vertical vein running northeast and southwest, average width 6 feet; nature of ore, iron pyrites and mispickle, average value, $30 per ton; main shaft 50 feet deep, and one level 20 feet in length.

Boulder Canon Mining Co. Incorporated March 28, 1877; capital stock, $200,000 in 2,000 shares $100 each; office Boulder; organized by James P. Maxwell, A. W. Bash, E. H. Dimick and M. A. Lathrop.

Boulder County. Owned by Boulder County Mining, Tunneling, Milling, Land and Town Co.; claim 150 by 1400 feet, patented; located 1870, situated on Boulder county hill, Grand Island mining district, two miles from Nederland and 18 miles from Boulder; vein nearly vertical, average width 4½ feet; nature of ore, galena, free gold and silver, average value $50 per ton; main shaft 150 feet deep, one tunnel 360 feet in length.

Boulder County. Owned by Neil D. McKenzie, G. I. and W. R. Stebbins, H. W. Forman and Mrs. A. Arnold; office Caribou; claim 50 by 1400 feet, patented; located 1870; situated on Gold Mountain, Grand Island mining district, 23 miles from Boulder; course of vein east and west, width 6 feet, pitch 15° north, pay vein 5 feet; nature of ore, galena and carbonate of copper; value $105 per ton; main shaft 100 feet deep, one level 100 feet in length; shaft house 25 by 35 feet; yield to date $12,000.

Boulder County Mining, Tunneling, Milling, Land and Town Co., Colorado. Incorporated June 12, 1877; capital stock $2,000,000 in 200,000 shares of $10 each; James A. Austin, Prest.; Ira W. Pendleton, Sec. and Treas., Samuel P. Conger, Supt.; office Denver; property comprises a mill, run by water power and constructed of stone, containing 100 stamps and 40 Frue vaners, 6 lodes or mineral veins, 150 by 1500 feet each, and 1200 acres of mineral and agricultural land; situated in Grand Island mining district, 2 miles from Nederland and 18 miles from Boulder.

Bramblett. John N., George, W. and John W. Gillaspie, proprietors; office Rockville; claim 150 by 1500 feet; located 1878; situated in Gray Eagle Gulch, 2 miles from Gold Hill and 12 miles from Boulder; course of vein east and west, average width 5 feet, pitch 10° south, pay vein 2 feet; nature of ore, tellurium, average value $30 per ton; one shaft 25 feet deep, one drift 263 feet in length.

Buckeye. Owned by Thomas Coleman and Charles W. Hamill, of Boulder; claim 150 by 1500 feet; located 1876; situated in Middle Boulder Gulch, Grand Island mining district, two miles and a half from Nederland, and 15 miles from Boulder; vertical vein running northeast and southwest, average width 4 feet, pay vein 10 inches; nature of ore, galena and gray copper, average value $50 per ton; one drift 25 feet in length.

Buckeye. Owned by Henry Deitz, of Boulder; claim 150 by 1500 feet; located 1876; situated in Bummer Gulch, Sugar Loaf mining district, 9 miles from Boulder; course of vein northeast and southwest, pitch 25° north, average width 3 feet, pay vein 15 inches; nature of ore, tellurium, average value $104 per ton; one shaft 25 feet deep.

Buckeye Mining and Tunneling Co. Incorporated February 4, 1876; capital stock $500,000, in 50,000 shares $10 each; office Denver; organized by Alexander M. Cassiday, D. R. Cassiday, J. V, Harbour, and W. S. Hinman.

Buck Horn. Anthony Arnett, proprietor; office Boulder; claim 50 by 3000 feet, patented; located 1863; situated in Jim Creek mining district, 12 miles from Boulder; vertical vein trending northeast and southwest, average width 2 feet, pay vein 1 foot; nature of ore, galena, average value $100 per ton; main shaft 100 feet deep yield to date $10,000.

Buenos Ayres. Owned by Joseph McPherson, Noah Terry and John Williams, of Jamestown; claim 150 by 1500 feet; located 1873; situated at Jamestown, Central mining district, 15 miles from Boulder; course of vein north and south, average width 3 feet, pitch 5° west; nature of ore, iron and copper pyrites and antimony; main shaft 80 feet deep, one tunnel 50 feet in length.

Butzel Tillie. A. J. Mackey and John L. Butzel, proprietors; office, Boulder, Colorado, and Saugerties, New York; claim 150 by 1500 feet, patented; located 1874; situated in Gold Hill mining district, 1 mile from Sunshine and 7 miles from Boulder; vertical vein, trending northeast and southwest, average width 5 feet, pay vein 8 inches; nature of ore, tellurium, petzite and free gold, average value $250 per ton; discovery shaft 19 feet, two other shafts 45 and 85 feet deep respectively, one tunnel 200 feet in length, one level 45 feet in length and 128 feet from surface.

California. Daniel Sutfon and F. A. Squires, of Boulder, proprietors; claim 150 by 1500 feet, patented; located 1863; situated on Left Hand creek, Ward mining district, 18 miles from Boulder; vertical vein, running northeast and southwest, average width 4 feet, pay vein, 20 inches; nature of ore, free gold, average value $400 per ton; main shaft 173 feet deep.

Careless Boy. Owned by the Smuggler Mining Co.; claim 150 by 1500 feet, patented; located 1876; situated in Long's Gulch, Central mining district, 17 miles from Boulder; course of vein, east and west, width 3 feet, pitch south; nature of ore, copper pyrites; one tunnel 180 feet and one level 125 feet in length.

Caribou. Hon. Jerome B. Chaffee, proprietor; Eben Smith, superintendent; offices, Caribou and Denver, Colorado; claim 50 by 1500 feet, patented; located 1870; situated in town of Caribou, on the north side of Caribou hill, Grand Island Mining District, twenty-two miles from Boulder; course of vein, east and west, width 5 feet, pitch 10° north; nature of ore, native, ruby and brittle silver; average value 60 ounces silver per ton; developed by a main shaft 800 feet and other shafting aggregating 1000 feet in depth, one tunnel 600 feet in length, intersecting vein at a depth of 316 feet; shaft house 70 by 175 feet, containing a 60-horse power engine andtwo boilers, four Wood machine drills, a Knowles pump, and a duplex air compressor with an 8 inch cylinder; yield to date $1,225,000.

Caribou Debenture Syndicate, incorporated Nov. 11, 1875; capital stock $300,000 in 3000 shares of $100 each; office Denver; organized by Marc A. Shaffenburg, James F. Watson and William H. Salisbury.

Carlisle. Thomas J. Graham, proprietor; office Boulder; claim 50 by 3000 feet; situated in Central mining district, near Jamestown, fourteen miles from Boulder; vertical vein running northeast and southwest, average width 5 feet, pay vein 16 inches; nature of ore, iron and copper pyrites and galena; average value $27 per ton; main shaft 50 feet deep.

Carmack. Albion Mining and Milling Co., proprietors; claim 150 by 1500 feet; located 1866; situated on North Boulder creek, Albion mining district, six miles from Nederland and twenty-three miles from Boulder; course of vein northeast and southwest, average width 54 feet, pitch 20° northwest; nature of ore, galena and carbonate of copper; average value, 20 ounces silver per ton; main shaft 40 feet deep.

Cash. Owned by the Cash Gold and Silver Mining Company of Colorado, incorporated June 25, 1875; capital stock $250,000 in 2,500 shares $100 each; office Denver; James H. Boyd, Prest., A. J. Bean, Vice Prest. and Supt., Corydon W. Sanborn, Sec.; claim 150 by 1500 feet, patented; located 1872; situated on Gold Hill, Gold Hill mining district, ten miles from Boulder; vertical vein trending northeast and southwest, width 5 feet, pay vein 6 to 18 inches; nature of ore, tellurium; average value $150 per ton; main shaft 115 feet deep, one level 300 feet in length and 60 feet from surface.

Castle Rock. Frederick C. Dorl and Thomas Coleman, proprietors; office Boulder; claim 150 by 1500 feet; located 1877; situated on Castle Rock mountain, Grand Island mining district, three miles from town of Nederland and fifteen miles from Boulder; vertical vein trending east and west, width 4 feet, pay vein 10 inches; nature of ore, brittle silver; average value $450 per ton; one adit 450 feet in length.

C. B. A. Cyrus B. Ayres and Charles McKinley, proprietors; office Boulder, claim 150 by 1500 feet; located 1877; situated in Long's Gulch, Central mining district, four miles from Jamestown and twenty miles from Boulder; vertical vein running northeast and southwest, average width 6 feet, pay vein 14 inches; nature of ore, tellurium; assay value $780 per ton; main shaft 34 feet deep.

Celestial. Anthony Arnett, proprietor; office Boulder; claim 150 by 1500 feet, with a mill site of 5 acres, all of which is patented; located 1873; situated in Spring gulch, near town of Ward, Ward mining district, twenty miles from Boulder; vertical vein trending east and west, width 20 inches, pay vein 8 to 20 inches; nature of ore, iron pyrites; value $5,000 per ton; main shaft 60 feet deep, aggregate depth of other shafts 175 feet; good shaft house; 15-horse power engine, and other machinery; yield to date $20,000.

Celestial Mining Co., incorporated January 15, 1876; capital stock $300,000 in 60,000 shares $5 each; office Denver; trustees, Peter Winne, E. W. Pierce, Oliver P. Hamilton and George W. Stone.

Champion. Henry Deitz of Boulder, proprietor; claim 150 by 1500 feet; located 1876; situated in Bummer gulch, Sugar Loaf mining district, nine miles from Boulder; course of vein northwest and southeast, pitch northeast, width 7 feet, pay vein 20 inches; nature of ore, free gold; average value $62 per ton; one shaft 45 feet deep.

Chance. James Martin, William McKnight and Thomas Skelton, proprietors; office, Boulder; claim 150 by 1500 feet; located 1876; situated between Sunbeam and Parker gulches, Sugar Loaf mining district, six miles from Boulder; vertical vein running northeast and southwest; width 5 feet; pay vein 18 inches; nature of ore, tellurum and free gold; average value, $400 per ton; main shaft 80 feet deep; one level 20 feet in length; yield to date $600.

Charter Oak. Owned by Ellen Rollins and W. Sellars; office Gold Hill, claim 150 by 1500 feet; located 1876; situated in Gold Hill mining district, ten miles from Boulder; course of vein northeast and southwest, average width 30 inches; pitch 5° north, pay vein 20 inches; nature of ore, free gold; average value $200 per cord; main shaft 30 feet deep; yield to date $3,000.

Chicago and Colorado Mining Co., incorporated April 25, 1876; capital stock $250,000 in 25,000 shares, $10 each; offices, Boulder, Ward mining district, Colorado, and Chicago, Illinois; trustees, Frank J. Weist, Mancel Talcott, William G. Shedd, Nelson Morris and Wesley Brainard.

Chimney. Owned by George Tanner, Peter Davis and W. Worthing; office Salina; claim 150 by 1500 feet; located 1874; situated on Melvina hill, Gold Hill mining district, nine miles from Boulder; course of vein, east and west, width 3 feet, pitch 25° north, pay vein 12 inches; nature of ore, free gold; assay value $24 per ton; main shaft 55 feet deep.

Cincinnati. Owned by Samuel Garret, A. M. Barckhamer and John Maxwell; office Salina; claim 150 by 1500 feet; located 1877; situated on Melvina hill, Gold Hill mining district, one mile from town of Salina and eight miles from Boulder; course of vein east and west, average width 7 feet, pitch 45° north, pay vein 16 inches; nature of ore, galena, brittle silver and free gold; average value $325 per ton; main shaft 60 feet, one other shaft 20 feet deep, one level 12 feet in length and forty feet from surface; yield to date $5,000.

Clarence. John B. McFall and David J. Rollin, proprietors; office Gold Hill; claim 150 by 750 feet; located 1876; situated in Gold Hill mining district, ten miles from Boulder; vertical vein running northeast and southwest, average width 3 feet, pay vein 4 to 8 inches; nature of ore, tellurium; average value $266 per ton; main shaft 25 feet deep; yield to date $300.

Columbia. James Pomeroy, of Boulder, proprietor; claim 150 by 300 feet, patented; located 1859; situated on Niawot hill, Ward mining district, nineteen miles from Boulder; course of vein east and west, average width 3 feet; nature of ore, iron and copper pyrites; average value $40 per ton; main shaft 112 feet deep, aggregate depth of other shafts 95 feet, one level 27 feet in length and 73 feet from surface; yield to date $10,000.

Columbia Mining Co., incorporated January 7, 1875; capital stock $1,000,000 in 10,000 shares $100 each; office at works in Ward mining district; trustees, Andrew W. Gill, William A. Davidson and David H. Moffat, Jr.

Cold Spring. Truman Whitcomb, proprietor; office Gold Hill;

claim 50 by 1400 feet; located 1871; situated in Gold Hill mining district, twelve miles from Boulder; course of vein north and south, width 7 feet, pay vein 15 inches; nature of ore, iron pyrites and free gold; average value $425 per ton; main shaft 400 feet deep, one tunnel 480 feet in length, 4 levels, 80, 140, 200 and 290 feet from surface respectively, aggregating 1400 feet in length; good shaft house; 15 horse power engine and other machinery.

Colorado Comstock. Frank C. Garbutt and Thomas A. Baker, proprietors; office Denver; claim 150 by 1500 feet; located 1874; situated on Hoosier hill, Gold Hill mining district, ten miles from Boulder; vertical vein running northwest and southeast; average width 15 feet, pay vein 2 feet; nature of ore, gray copper and sulphurets; average value $200 per ton; main shaft 40 feet deep.

Columbus. Owned by the Columbus Mining Co., incorporated May 19, 1875; capital stock $50,000 in 2,000 shares $25 each; office Denver; claim 150 by 1500 feet, patented; located 1865; situated in Gold Hill mining district, ten miles from Boulder; course of vein northeast and southwest, average width 2 feet, pitch north, pay vein 10 inches; nature of ore, tellurium and iron pyrites; average value $125 per ton; main shaft 100 feet deep, aggregate depth of other shafting 100 feet, one adit 100 feet in length, 2 levels 50 and 70 feet from surface respectively, aggregating 150 feet in length.

Comstock No. 2. Owned by H. J. VanWetering and N. C. Peterson, of Sunshine; claim 150 by 1500 feet; located 1875; situated on Lee hill, Gold Hill mining district, three miles from town of Sunshine, and nine miles from Boulder; course of vein east and west, width 5 feet, pitch 3° north, pay vein 6 inches; nature of ore, tellurium; average value, $200 per ton; main shaft 50 feet deep.

Conger. Ulysses Pugh and Samuel Mishler, proprietors; office Caribou; claim 50 by 1400 feet; located 1864; situated on Caribou hill, Grand Island mining district, twenty-three miles from Boulder; vertical vein trending northeast and southwest, width 2 feet; nature of ore, galena, iron and copper pyrites, average value, $84 per ton; main shaft 30 feet deep.

Consolidated Caribou Belt Mining Co., incorporated February 9, 1876; capital stock $500,000 in 50,000 shares, $10 each; office Denver; organized by W. H. J. Nichols, Leonard Cutshaw, Theron W. Johnson, Isaac H. Rosencrans, Jeremiah Waldron, Jean Rouilliard, George Duggan, Walter B. Jenniss and George M. Lahaye.

Consolidated Fourth of July Mining Co., incorporated October 14, 1875; capital stock $1,000,000 in 10,000 shares, $100 each; office Denver, Colorado; organized by M. A. Lathrop, H. B. Blakeslee, J. M. Wilson and J. B. Johnson.

Consolidated North Slope and Evans Tunnel Co., incorporated November 27, 1876; capital stock $500,000 in 50,000 shares, $10 each; offices Boulder, Colorado, and Cincinnati, Ohio; trustees John S. Crawford, A. P. W. Skinner and W. T. Forrest.

Consolidated Tellurium Belt

Mining Co., incorporated July 15, 1876; capital stock $1,000,000 in $100,000 shares, $10 each; office Denver; trustees, Jeremiah Waldron, Jean B. Rouilliard, L. T. Stewart, N. V. Mahan, J. M. Hug, A. E. Rhinehart, and J. W. Lowerre.

Copper. Owned by David Evans and Frederick E. Sturns, of Cincinnati; claim 150 by 1500 feet; located 1863; situated in Gold Hill mining district, one mile from town of Salina, and eight miles from Boulder; course of vein northeast and southwest, width 3½ feet, pitch 20° northwest, pay vein 2 feet; nature of ore, galena and iron pyrites; average value $60 per ton; main shaft 115 feet deep, one adit 52 feet in length.

Corning. Anthony Arnett and Horace Wolcott, proprietors; office Boulder; claim 50 by 1500 feet, patented; located 1870; situated on Niawot hill, Ward mining district, twenty miles from Boulder; course of vein, east and west, width 4 feet, pitch 40° north, pay vein 6 inches; nature of ore, iron and copper pyrites; one shaft 25 feet deep.

Corning Tunnel. Owned by the Corning Tunnel Mining and Reduction Co., incorporated December 10, 1875; capital stock $200,000 in 2,000 shares, $100 each; office Boulder; organized by Geo. C. Corning, Jarvis Gilbert, Frederick A. Squires, Daniel A. Robinson, Frederick Kehler, Edward A. Phillips, John P. Thompson, Albert G. Soule, John Morrison, Charles Y. McClure, John A. Ellet and Corydon W. Sanborn; claim 1500 by 3000 feet, with two mill sites of 5 acres each; located 1872; situated on Left Hand creek, Gold Hill mining district, two miles from town of Gold Hill and twelve miles from Boulder; length of tunnel 1100 feet.

Credit Mobilier. Webster City Gold and Silver Mining Co., proprietors; office Boulder; claim 50 by 1500 feet; situated in McKnight gulch, Gold Hill mining district, eleven miles from Boulder; course of vein northeast and southwest, width 3½ feet, pitch 5° north, pay vein 14 inches; nature of ore, gray copper, galena, iron and copper pyrites; main shaft 50 feet deep, one tunnel 100 feet in length.

Crown Prince. Crown Prince Mining and Milling Co., proprietors; office Boulder; claim 1500 by 3000 feet; situated on Four Mile creek, Sugar Loaf mining district, one mile from town of Delphi, and ten miles from Boulder; vertical vein running northwest and southeast; average width 25 feet; nature of ore, iron and copper pyrites; average value $13 per ton; one shaft 25 feet deep.

Crown Prince Tunnel Mining Co., Colorado, incorporated June 22, 1877; capital stock $500,000 in 500,000 shares $1. each; office Boulder; trustees, Platt Rogers, William Burke and John Tierney.

Dale Owen. James K. Jones, proprietor; office Sunshine; claim 150 by 1500 feet; located 1874; situated in Sunshine gulch Gold Hill mining district, one mile from Sunshine, and seven miles from Boulder; vertical vein running north and south; width 3 feet, pay vein 8 inches; nature of ore, gray copper, galena and iron; average value $126 per ton; main shaft 25 feet deep, one tunnel 75 feet in length.

Dana or Hoosier. Squires, Neikirk & Co., proprietors; office Boulder; claim 50 by 1500 feet; patented; located 1867; situated on Hoosier hill, near Gold run, Gold Hill mining district, twelve miles from Boulder; vertical vein running north and south; average width 25 feet; nature of ore, gray copper and sulphurets of silver, average value $250 per ton; main shaft 150 feet deep, one tunnel 100 feet in length; shaft house 40 by 60 feet; yield to date $200,000.

Dead Medicine. Owned by Thomas Danford, O. P. Patterson and others; office Boulder; claim 150 by 1500 feet, patented; located 1874; situated in town of Sunshine, Gold Hill mining district, six miles from Boulder; vertical vein running north and south; average width 5 feet, pay vein 6 to 20 inches; nature of ore, tellurium; one shaft 50 feet deep.

Deadwood. Owned by Henry Dwyer, Frederick Pocock and John Alderson; office Salina; claim 150 by 1500 feet; located 1877; situated on Melvina hill eight miles from Boulder; course of vein northeast and southwest; average width 3 feet, pitch 10° northwest, pay vein 12 inches; nature of ore, tellurium; assay value, $477 per ton; main shaft 75 feet deep, one tunnel 70 feet in length; yield to date $6,000.

December. Owned by Charles S. Davis, Allen J., and Noah Torry, of Jamestown; claim 150 by 1500 feet; located 1875; situated on Golden Age hill; Central mining district, two miles from Jamestown, and twelve miles from Boulder; course of vein northeast and southwest; average width 6 feet; pitch 15° south, pay vein 20 inches; nature of ore, free gold; average value $30 per ton; main shaft 100 feet deep, one level 35 feet in length and 50 feet from surface.

Delphi Consolidated Gold and Silver mining Co., incorporated December 24, 1877; capital stock $1,000,000 in 100,000 shares, $10 each; offices Boulder, Colorado, and Cambridge, Ohio. The property of this company is patented and consists of five lode claims, 150 by 1500 feet each, and a mill site of five acres; situated in town of Delphi, Sugar Loaf mining district, ten miles from Boulder; nature of ore, tellurium of gold and silver; average value $50 silver, and $250 gold per ton; main shaft 100 feet deep, one tunnel 100 feet in length, two levels 20 feet each; have in store 50 tons of ore which will average $50 per ton.

Dexter. Owned by Alexander G. Montreuil, Ely Bruner, and Burdell & Platt; office Boulder; claim 150 by 1500 feet; located 1877; situated in Sunshine gulch, Gold Hill mining district, one mile from Sunshine and six miles from Boulder; vertical vein running northeast and southwest, average width 4 feet, pay vein 2 to 4 feet; nature of ore, sylvanite and tellurium; average value $323 per ton; main shaft 50 feet deep, one tunnel 40 feet in length; yield to date, $300.

Dexter. Owned by Samuel Baeder, Jacob Hummel and ——— Robbins; office Boulder; claim 150 by 1500 feet; located 1875; situated in Silver City gulch, Gold Hill mining district, nine miles from Boulder; vertical vein running northeast and southwest, average width 10 feet, pay vein 6 inches; nature of ore, tellurium and free gold, value $1,500 per ton; main shaft 40 feet deep, one level 12 feet in length.

Dexter. Owned by Scott Bros., Joseph Shaw, Samuel Wood and E. A. Hupper; office Caribou; claim 50 by 1400 feet; located 1872; situated on Caribou hill, Grand Island mining district, twenty-three miles from Boulder; course of vein east and west, average width 2 feet, pitch 10° north, pay vein 10 inches; nature of ore, galena and sulphurets, average value $75 per ton; main shaft 30 feet deep; shaft house 14 by 20 feet.

Dime. Benjamin F. Smith and J. McCadon, proprietors; office Golden; claim 150 by 1500 feet; located 1875; situated on French mountain, in town of Crisman, Sugar Loaf mining district, eight miles from Boulder; course of vein north and south, average width 5 feet, pitch 10° northwest; nature of ore, tellurium; value $1,700 per ton; one tunnel 220 feet and one adit 25 feet in length.

Dolly Vardin. Lexington and Colorado Gold and Silver Mining Co., proprietors; capital stock $300,000; John H. Weare, Supt.; claim 150 by 300 feet; located 1874; situated in Pennsylvania gulch, five miles from Nederland and fifteen miles from Boulder; vertical vein running northeast and southwest, average width 10 feet, pay vein 6 feet; nature of ore, iron and copper pyrites and free gold, average value $40 per ton; main shaft 40 feet deep, one tunnel site 1500 by 3000 feet, with a tunnel 290 feet in length.

Dom Pedro. James K. Jones, proprietor; office Sunshine; claim 150 by 1500 feet; located 1877; situated in Sunshine gulch, Gold Hill mining district, one mile from Sunshine and seven miles from Boulder; course of vein northeast and southwest, average width 4 feet, pay vein 3 inches; nature of ore, tellurium; average value $30 per ton; one tunnel 28 feet in length.

Dorchester. Fernando C. Allbright, of Caribou, proprietor; claim 150 by 1500 feet; located 1872; situated on Idaho hill, Grand Island mining district, twenty-three miles from Boulder; course of vein east and west, average width 4 to 5 feet, pitch 25° north, pay vein 8 inches; nature of ore, galena, iron and copper pyrites; assay value $35 per ton; main shaft 60 feet, and one other 10 feet deep; shaft house 12 by 18 feet.

Doss. Orris and Frank O. Blake, George and Jacob Hepner, proprietors; office Boulder; claim 150 by 1500 feet; located 1875; situated on the south slope of Hoosier hill, near town of Delphi, Sugar Loaf mining district, nine miles from Boulder; course of vein northeast and southwest, average width 4 feet, pitch 10° northwest, pay vein 6 to 12 inches; nature of ore, tellurium and free gold; average value $100 per ton; main shaft 150 feet deep, 2 levels 20 and 100 feet in length respectively, reached by tunnel at a distance of 270 feet from the mouth, and intersected at a depth of 250 feet; shaft house and two dwelling houses.

Dunraven. John L. Schellenger, proprietor; office Magnolia; claim 150 by 1500 feet; located 1876; situated in Jackson's Camp, Magnolia mining district, eight miles from Boulder; vertical vein trending east and west, width two feet; nature of ore, tellurium; value $2,000 per ton; one shaft 80 feet deep.

East Idaho. Owned by Charles B. Buckingham, J. L. Herzinger, S. B. Harker, Charles Haynor and W. B. Williams; office Boulder; claim 150 by 750 feet, patented; situated on Idaho Hill, Grand Island mining district, twenty miles from Boulder; course of vein east and west, width 3½ feet, pitch 5° north, pay vein 4 to 30 inches; nature of ore, silver glance and sulphurets; assay value $1,000 to $10,000 per ton; main shaft 90 feet deep; shaft house 12 by 20 feet.

Eastern Slope. Henry Deitz, proprietor, office Boulder; claim 150 by 1500 feet; located 1876; situated in Bummer gulch, Sugar Loaf mining district, nine miles from Boulder; course of vein northeast and southwest, width 2 feet, pitch northwest; nature of ore, tellurium; average value $45 per ton; one shaft 30 feet deep, one level 140 feet in length; yield to date $3,500.

Eclipse. Owned by Geo. Moore, James F. Clark and others; office Gold Hill; claim 150 by 1500 feet; located 1875; situated on Four Mile creek, Sugar Loaf mining district, seven miles from Boulder; vertical vein running north and south, average width 2 feet, pay vein 4 inches; nature of ore, tellurium; average value $500 per ton; main shaft 87 feet deep, aggregate length of adits 35 feet; total yield $3,000.

El Dorado. Owned by Silas S. Kennedy, Benjamin H. Eaton, William H. Lessig, Jacob Hawks and William A. Christian; office Balarat; claim 150 by 1500 feet, patented; located 1876; situated in Long gulch, near town of Balarat, Central mining district, seventeen miles from Boulder; course of vein north 15° west, average width 3 feet, pitch 45° east, pay vein 6 inches; nature of ore, tellurium; one tunnel 125 feet in length and sixty-five feet from surface, one level 160 feet in length and 65 feet from surface.

El Dorado No. 2. Owned by H. J. Van Wetering and N. C. Peterson, of Sunshine; claim 150 by 1000 feet; situated on Lee hill, Gold Hill mining district, three miles from town of Sunshine and nine miles from Boulder; course of vein northwest and southeast, average width 4 feet, pitch 5° east, pay vein 10 inches; nature of ore, tellurium; average value $200 per ton; main shaft 80 feet deep, one drift 75 feet in length.

Elephant. Samuel Mishler and Iswold Lunsford, proprietors; office Caribou; claim 50 by 1400 feet; located 1870; situated on Idaho hill, near town of Caribou, Grand Island mining district, twenty-three miles from Boulder; course of vein east and west, average width 9 feet, pay vein 5 feet, pitch 40° north; nature of ore, silver glance and brittle silver; average value $117 per ton; main shaft 125 feet deep, 2 levels 80 feet aggregate; yield to date $3,000.

Ellen. Owned by Henry Laffer, Charles F. Pease, Frederick L. Higbee and William McKay; office Springdale; claim 135 by 1500 feet; located 1875; situated near Jim Creek, Central mining district, 12 miles from Boulder; course of vein, northeast and southwest, average width six feet, pitch 10° south, pay vein 6 to 12 inches; nature of ore, free gold; average value $100 per ton; main shaft 100 feet deep; yield $20,000.

Emmet. Anthony Arnett, of Boulder, proprietor; claim 50 by 1700 feet, patented; located 1859; situated on Gold Hill, Gold Hill mining district, ten miles from Boulder; vertical vein running northeast and southwest; average width four feet; pay vein two feet; nature of ore, free gold; average value, $100 per ton; main shaft 100 feet deep; yield, $20,000

Empress. Extension of Magnolia. Owned by James Stevens, Amos Bixby, Eugene Wilder, J. Alden Smith and F. W. Strout; office Boulder; claim 150 by 1500 feet; situated in town of Magnolia, Gold Hill mining district, seven miles from Boulder; course of vein northeast and southwest; average width 6 feet, pitch 5° southeast, pay vein 4 feet; nature of ore, tellurium; average value $50 per ton; main shaft twenty feet deep.

Encounter. James D. Smith, William A. and Charles J. Christian, proprietors; office Denver; claim 150 by 1500 feet; located 1877; situated in Central gulch, two miles from Balarat and fifteen miles from Boulder; course of vein, east and west, average width 7 feet, pitch 35° south; nature of ore, free gold; main shaft 15 feet deep.

Erie. Henry Taylor and Albert Bills, proprietors; office Boulder; claim 150 by 1500 feet; located 1867; situated near Gold Lake, Central mining district, three miles from Gold Hill and fifteen miles from Boulder; vertical vein trending east and west; average width 5 feet, pay vein 10 inches; nature of ore, free gold; average value $35 per ton; main shaft 30 feet deep.

Esta Bueno. Owned by Theodore O. Saunders; office Sunshine; claim 150 by 1500 feet; located November, 1874; situated in Gold Hill mining district, one mile south of Sunshine and five miles from Boulder; course of vein northeast and southwest, width 5 feet, pay vein 1 foot, pitch 20° north; nature of ore, tellurium and free gold, average value $50 per ton; developed by a shaft 50 feet deep and a surface opening 200 feet in length.

Eugene. Anthony Arnett, proprietor; office Boulder; claim 50 by 1500 feet, patented; located 1859; situated on Gold Hill, Gold Hill mining district, eight miles from Boulder; vertical vein running northeast and southwest, average width 3 feet, pay vein 2 feet; nature of ore, free gold, average value $100 per ton; main shaft 25 feet deep, aggregate depth of other shafts 150 feet; yield $10,000.

Eureka. Owned by George H. Batchelder, James H. Guise and James G. Rutter; office Left Hand; claim 150 by 1500 feet, patented; located 1872; situated on Gold Hill, Gold Hill mining district, ten miles from Boulder; course of vein east and west, width 5 feet, pay vein 12 inches, pitch north; nature of ore, galena and gray copper, value $80 to $300 per ton; main shaft 100 feet deep, one tunnel 20 feet in length.

Eureka. Owned by Dr. Shoup and John M. Maxwell; office Boulder; claim 150 by 6,000 feet; located 1876; situated on North Boulder creek, Albion mining district, twenty-two miles from Boulder; course of vein northeast and southwest, average width 6 feet, pitch 10° north; nature of ore, galena, average value 6 ounces silver per ton, 50 per cent. lead and 20 per cent. copper; one tunnel 100 feet from surface and 120 feet in length.

Evening Star. Ebenezer Rowland, John B. Maas and George Thomas, proprietors; office Boulder; claim 150 by 1500 feet; located 1877; situated in McKnight gulch, two miles from Gold Hill and eleven miles from Boulder; vertical vein running east and west, average width 3 feet; nature of ore tellurium and free gold, average value $30 per ton; main shaft 25 feet deep, one drift 60 feet in length.

Evening Star. Benj. F. Smith and Thomas Brady, proprietors; office Golden; claim 150 by 1500 feet; located 1876; situated near Sunbeam gulch, Sugar Loaf mining district, seven miles from Boulder vertical vein running northeast and southwest, average width 5 feet, pay vein 12 inches; nature of ore, tellurium and free gold, average value $700 per ton; main shaft 50 feet, and one other shaft 40 feet deep.

Extension. John A. Ellet & Co., proprietors, office Boulder; claim 50 by 1400 feet, patented; located 1872; situated on Caribou hill, Grand Island mining district, near town of Caribou, twenty-three miles from Boulder; course of vein east and west, average width 6 feet, pitch 10° north, pay vein one to 20 inches; nature of ore, sulphurets and native silver, average value 200 ounces silver per ton; main shaft 32 feet deep.

Fifty-Nine. Gold Hill Mining Co., proprietors; office Boulder; claim 50 by 1200 feet, patented; located 1859; situated near town of Gold Hill, ten miles from Boulder; course of vein northeast and southwest, average width 6 feet, pitch north, pay vein 2 feet; nature of ore, iron and copper pyrites, average value $600 per cord; main shaft 230 feet deep, aggregate length of levels 1,000 feet; total yield $100,000.

First National. Owned by the National Gold and Silver Mill and Mining Co.; claim 150 by 2417 feet; located 1874; situated in Weare gulch, two miles from Caribou and twenty-one miles from Boulder; vertical vein running southeast and northwest, average width 10 feet, pay vein 10 inches to 3 feet; nature of ore, gray copper and free gold, average value $60 per ton; main shaft 154 feet deep, aggregate length of other shafting 150 feet, one adit 104 feet from surface and 550 feet in length, one level 400 feet in length and 50 feet from surface; total yield $5,000; on this property is erected a 25 stamp mill, containing all machinery necessary to the successful treatment of ore.

Forrest. Owned by John W. King, Henry C. Brown, George W. Brown, B. D. Spencer and John Stuart; office Denver; claim 150 by 1500 feet, patented; located 1871; situated on Four-mile creek, Sugar Loaf mining District 10 miles from Boulder; course of vein northeast and southwest; width 4 feet; pay vein 27 inches nature of ore, tellurium and free gold; average value $77 per ton; main shaft 145 feet deep; shaft house 15 by 18 feet; yield to date, $5,000.

Fourth of July. Owned by William J. and William E. Mann and Charles H. Taylor; claim 150 by 4500 feet, located in 1874; situated on Middle Boulder creek, Grand Island mining district, twenty-three miles from Boulder; vertical vein running east and west; average width 50 to 300 feet; nature of ore, galena, carbonates and gray copper; assay value $500 per ton; main shaft 90 feet deep.

Fourth of July Consolidated Mining Co., organized under the laws of the State of New York, March 4, 1878; capital stock $3,000,000, in 300,000 shares, $10 each; offices Boulder, Colorado, and New York city; George Earle, Prest.; Robert J. S. White, Secretary.

Frankfort. H. F. and H. A. Learnard, proprietors; office Rockville; claim 150 by 1500 feet, located 1876; situated in Rockville camp, Gold Hill mining district, near town of Rockville, ten miles from Boulder; course of vein northeast and southwest, width 7 feet, pitch 10° south, pay vein 6 inches; nature of ore, tellurium; average value $30 per ton; one drift 36 feet in length.

Franklin, Sir John. John L. Schellenger, proprietor; office Magnolia; claim 150 by 1500 feet; located 1877; situated at Jackson's camp, Magnolia mining district, eight miles from Boulder; course of vein east and west, width 2 feet, pay vein 5 inches, pitch 5° north; nature of ore, tellurium; one shaft 12 feet deep.

Frieburg. Hary C. Crary, proprietor; office Gold Hill; claim 50 by 1450 feet; located 1873; situated in Gold Hill mining district, ten miles from Boulder; vertical vein running northeast and southwest; average width 3 feet, pay vein 8 inches; nature of ore, tellurium and free gold; average value $75 per ton; main shaft 55 feet deep, one adit 78 feet in length; yield $1,500.

Frieburg Mining and Tunnel Co., incorporated October 7, 1875; capital stock $10,000, in 100 shares, $10 each; office Denver; organized by Loudon Mullin, George L. Aggers and Gustave Korner.

Gage. Chicago and Colorado Mining Co., proprietors; offices Boulder, Colorado, and Chicago, Illinois; claim 150 by 1500 feet, patented; located 1876; situated on Left Hand creek, Ward mining district, four miles from town of Gold Hill and sixteen miles from Boulder; course of vein east and west; average width 4 feet, pitch 45° north, pay vein 10 inches; nature of ore, iron pyrites; average value $84 per ton; main shaft 40 feet deep, one tunnel 200 feet in length.

Georgia Mining Co., incorporated May 1, 1876; capital stock $50,000, in 5,000 shares, $10 each; office Denver; organized by Herman Fischer, Paul C. Glave and John Kiefer.

Gertrude. Henry Taylor and Albert Bills, proprietors; office Boulder; claim 150 by 1500 feet; located 1877; situated near Gold Lake, Central mining district, three miles from town of Gold

Hill and fifteen from Boulder; course of vein northwest and southeast; average width 4½ feet, pitch 45° north, pay vein 15 inches; nature of ore, free gold and carbonates; average value $65 per ton; main shaft 18 feet deep.

Giant. Owned by John S. Reid, John S. Moore and L. Ford; office Magnolia; claim 150 by 1500 feet; located 1876; situated on Giant hill, Magnolia mining district, nine miles from Boulder; course of vein east and west, width 13 feet, pitch 5° south, pay vein 2 to 22 inches; nature of ore, free gold; average value $60 per ton; main shaft 87 feet deep, two adits 140 and 25 feet in length respectively, two levels, aggregate length 130 feet; shaft house 16 by 20 feet.

Gillaspie Gold and Silver Mining and Milling Co., incorporated October 1, 1875; capital stock $125,000, in 12,500 shares, $10 each; office Denver; organized by James H. Ralston, D. F. Brown and H. B. Gillaspie.

Gilpin County. Andrew G. Olson, proprietor; office Springdale; claim 150 by 1500 feet; located 1875; situated near town of Springdale, Central mining district, twelve miles from Boulder; course of vein northeast and southwest; average width 4 feet, pitch 10° south, pay vein 18 inches; nature of ore, pyrites and free gold; main shaft 40 feet deep.

Gladiator. Cyrus Taylor, proprietor; office Jamestown; claim 150 by 1500 feet; located 1875; situated on Jim Creek, in town of Springdale, Central mining district, twelve miles from Boulder; course of vein northeast and southwest; average width 4 feet, pitch 20° south, pay vein 5 inches to 3½ feet; nature of ore, tellurium, iron and copper pyrites; average value of first-class ore, $8,000, and second-class, $700 per ton; main shaft 125 feet deep, one adit 25 feet in length, one level 60 feet from surface and 25 feet in length.

Glide. William and S. W. Thompson, proprietors; office Rockville; claim 150 by 1500 feet; situated in town of Rockville, two miles from Sunshine and ten miles from Boulder; course of vein northeast and southwest; average width 6 feet, pitch 10° south, pay vein 6 inches; nature of ore, tellurium and free gold; average value $30 per ton; main shaft 50 feet deep, one tunnel 70 feet in length.

Gold Coin Mining Company of Colorado, incorporated January 12, 1877; capital stock $100,000, in 4,000 shares, $25 each; office Georgetown; trustees Charles R. Fish, John G. Roberts, Albert R. Forbes, Charles H. Morris, Philip E. Morehouse, Adolph H. Borman and E. R. Pierson.

Gold Hill Mining Co., incorporated October 26, 1875; capital stock $125,000 in 12,500 shares, $10 each; offices Denver and Sunshine, Colorado; organized by Almerson Wilson, George H. Batchelder and Edward F. Wallace.

Gold Hill Tunnel Co., incorporated June 15, 1875; capital stock $250,000, in 2,500 shares, $100 each; office Boulder; organized by E. A. Phillips, Frederick A. Squires, George H. Batchelder, John Morrison and Joseph Roper, Jr.

Gold Nugget. Heber F. and Horace A. Learnard, of Rockville, proprietors; claim 150 by 1500 feet; located 1877; situated in Rockville camp, Gold Hill mining district, ten miles from Boulder; course of vein northeast and southwest; average width 6 feet, pitch 10° south, pay vein 6 inches; nature of ore, tellurium and free gold; average value $30 per ton; one shaft 12 feet deep.

Gold Ring. Alexander Von Wendt and Gustave Rutar, proprietors; office Gold Hill; claim 50 by 1500 feet; located 1872; situated on Gold Hill, Gold Hill mining district, twelve miles from Boulder; vertical vein running northeast and southwest; average width 6 feet, pay vein 2½ feet; nature of ore, tellurium; average value $70 per ton; main shaft 100 feet deep, one tunnel 166 feet in length, one level 60 feet in length and 65 feet from surface; yield $8,000.

Golden. B. F. Smith, of Golden, proprietor; claim 150 by 1500 feet; located 1876; situated in Sunbeam gulch, Sugar Loaf mining district, seven miles from Boulder; course of vein east and west; average width 4 feet, pitch 5° north, pay vein 22 inches; nature of ore, tellurium; value $3,900 per ton; main shaft 42 feet deep.

Golden Age. Harlan P. Walker, proprietor; office Jamestown; claim 150 by 1500 feet; located 1875; situated on Golden Age hill, Central mining district, two miles from Jamestown and twelve miles from Boulder; course of vein northeast and southwest, average width 5 feet, pitch 45° south, pay vein 30 inches; nature of ore, free gold; average value 8 ounces gold per cord; main shaft 200 feet deep, other shafting aggregating 200 feet, two levels 100 feet from surface, 70 and 40 feet in length respectively; shaft house and blacksmith shop 30 by 47 feet; yield $40,000. In connection with this property is a mill 40 by 70 feet, with a capacity for treating 15 tons of ore daily.

Golden Crown Mining Co., incorporated January 29, 1876; capital stock, $300,000 in 30,000 shares, $10 each; office Denver; organized by D. F. Brown, J. H. Jones and E. W. Pierce.

Golden Eagle. Henry Deitz, proprietor; office Boulder; claim 150 by 7500 feet; located 1876; situated in Bummer gulch, Sugar Loaf mining district, nine miles from Boulder; course of vein northeast and southwest, average width 8 feet, pitch 25° north; pay vein 2 to 3 feet; nature of ore, tellurium; average value $150 per ton; main shaft 140 feet deep, two levels aggregating 140 feet in length; yield $20,000.

Golden Era. Henry Taylor and Albert Bills, proprietors; office Boulder; claim 150 by 1500 feet; located 1867; situated near Gold Lake, Central mining district, three miles from Gold Hill and fifteen miles from Boulder; course of vein east and west; average width 3 feet, pitch south, pay vein 20 inches; nature of ore, carbonate of copper and free gold; average value $50 per ton; main shaft 50 feet deep, one level 25 feet from surface and 20 feet in length.

Golden Gem. Owned by Joseph P. McIntosh, John A. Gilman, Allen J. and Noah Torry and Robert A. McBride, of Jamestown; claim 150 by 1500 feet; situated in Central gulch, Central mining district, one mile and a half from town of Jamestown and twelve miles from Boulder; course of vein northeast and southwest; average width 5 feet, pitch 10° south, pay vein 12 inches; nature of ore, free gold; main shaft 40 feet deep.

Government. Wright W. and Horace F. Hall, proprietors; office Left Hand; claim 150 by 1500 feet; located 1877; situated in Long gulch, Gold Hill mining district, nine miles from Boulder; course of vein northeast and southwest; average width 2 feet, pitch 18° north, pay vein 18 inches; nature of ore, tellurium, gray copper and free gold; average value $165 per ton; main shaft 25 feet deep.

Grand Central. Major Orris Blake, Thomas Reilly and William L. Crooks, proprietors; office Boulder; claim 150 by 1500 feet; located 1874; situated on Boulder creek, Magnolia mining district, six miles from Nederland and thirteen miles from Boulder; vertical vein running southeast and northwest; average width 20 feet; nature of ore, gray copper; average value $50 per ton; main shaft 100 feet deep, one tunnel 20 feet in length.

Grand Central. Owned by Jarvis M. Fox, John V. Sybrandt and Samuel W. Cole; office Springdale; claim 150 by 1500 feet; located 1875; situated in Castle gulch, Central mining district, one mile from town of Springdale and twelve miles from Boulder; course of vein, northeast and southwest; average width 5 feet, pitch 5° southeast, pay vein 4 to 18 inches; nature of ore, tellurium and calaverite; average value of first-class ore $5,000, and second-class ore $300 per ton; main shaft 140 feet deep, one tunnel 25 feet in length; yield $3,000.

Grand Republic. Victor Roux and Henry Chmal, proprietors; office Boulder; claim 150 by 1500 feet; located 1873; situated in Sunbeam gulch, Sugar Loaf mining district, one mile from Salina and eight miles from Boulder; vertical vein trending east and west, width 6 feet, pay vein 18 inches; nature of ore, tellurium and free gold; average value $100 per ton; main shaft 50 feet deep.

Grand Trunk. Webster Gold and Silver Mining Co., proprietors; Capt. Ebenezer Rowland, superintendent; office Boulder; claim 150 by 1500 feet; located 1873; situated in Gold Hill Mining district, eight miles from Boulder; course of vein, northeast and southwest, average width 6 feet, pitch 15° north, pay vein 8 inches; nature of ore, tellurium, average value $30 per ton; main shaft 50 feet deep.

Grand View. Owned by the Grand View Mining Co., of Cincinnati; organized under the laws of the state of Ohio; J. H. Clemmer, president, W. P. Powell, secretary, C. C. Howell, manager; offices Sunshine, Colorado, and Cincinnati, Ohio; claim 150 by 1500 feet, patented; discovered May, 1874; situated in town of Sunshine, Gold Hill Mining district, seven miles from Boulder; course of vein, northeast and southwest, average width 2½ feet; pitch 25° west; nature of ore, tellurium, sylvanite, petzite, calaverite, coloradoite and free gold, value $70 to $10,000 per ton; main shaft 350 feet deep, four levels, 50, 100, 166 and 225 feet from surface respectively, aggregating 500 feet in length; shaft house, 24 by 70 feet, with iron roof, containing a 20 horse power engine, and an apparatus for hoisting ore; assay laboratory 18 by 24 feet, and a large ore house; yield to date $60,000. Since coming under the management of Mr. C. C. Howell other property in the immediate vicinity is being purchased with a view of enlarging and reorganizing the old company.

Grand View Silver Mining Co., of Caribou, Colorado; incorporated July 14, 1876, capital stock $150,000 in 15,000 shares,$10 each; office Denver; organized by Geo. M. Lahaye, H. J. De Bruyn Prince and Kemp G. Cooper.

Grant. Edward W. Henderson, of Central City, proprietor; claim 150 by 1500 feet; located 1864; situated at Ward, Ward Mining district, fourteen miles from Boulder; vertical vein running east and west, average width 2 feet; pay vein 4 to 18 inches; nature of ore, tellurium, average value $250 per cord; main shaft 25 feet deep; open surface 150 feet in length.

Grant, General. William and James Pell, proprietors; office Boulder; claim 150 by 1500 feet, patented; situated on Gold Hill, Gold Hill Mining district, ten miles from Boulder; vertical vein running northeast and southwest, average width 6 feet; nature of ore, iron pyrites; main shaft 60 feet deep.

Gray Copper. Geo. R. Williamson, proprietor; office Chrisman; claim 150 by 1500 ft., patented; located 1876; situated in Sunshine gulch, Sugar Loaf Mining district, nine miles from Boulder; vertical vein running northeast and southwest, average width 2 feet, pay vein 18 inches; nature of ore, iron pyrites and carbonate of copper, average value $450 per ton; five adits, 50, 75, 90, 100 and 125 feet in length respectively; yield $10,000.

Gray Eagle. S. F. Huddleston and John N. Gillaspie, proprietors; office Rockville; claim 50 by 2800 feet, patented; located 1868; situated on Gray Eagle gulch, Left Hand creek, two miles from Gold Hill and twelve miles from Boulder; course of vein northeast and southwest, average width 5 feet, pitch 5° south; pay vein 2 feet; nature of ore, tellurium, galena, zinc blende, iron pyrites and free gold, average value $40 per ton; main shaft 80 feet deep, two tunnels 120 and 200 feet in length respectively, one level 50 feet in length.

Great Eastern. Owned by T. R. and Charles N. Stinson, Albert Brown and L. R. Chittenden; office Denver; claim 150 by 1500 feet; situated on Hoosier hill, Gold Hill Mining district, near town of Salina, ten miles from Boulder; course of vein northwest and southeast, width 4 feet, pay vein 6 inches, pitch 15° northwest; nature of ore, tellurium and free gold, average value $200 per ton; main shaft 210 feet deep; shaft house 12 by 20 feet.

Great Eastern Mining Property. Cornelius C. Howell, manager; office Boulder; comprise, eight claims 150 by 1500 feet each; situated on the the same vein as the celebrated Melvina, near town of Salina, Gold Hill mining district, ten miles from Boulder; course of vein, northeast and southwest, width 2 feet, pay vein 6 to 8 inches, pitch 25° northwest; nature of ore, tellurium and free gold, average value $250 per ton; main shaft 200 feet deep, two levels 90 feet each; shaft house 30 by 40 feet, containing an engine of fifteen horse power; yield to date $10,000.

Great Republic Gold and Silver Mining Co., incorporated December 11, 1877; capital stock $300,000, in 30,000 shares, $10 each; office Black Hawk; organized by Thomas J. Oyler, Frederick Eggert and Edward O'Neill.

Greenback. Anthony Arnett and A. J. Kimber, proprietors; office Boulder; claim 150 by 1500 feet; located 1877; situated on Bonanza hill, Central mining district, fifteen miles from Boulder; course of vein east and west, average width 3 feet, pitch north, pay vein 18 inches; nature of ore, free gold, average value $80 per ton; main shaft 35 feet deep, aggregate depth of other shafts 60 feet, yield $5,000.

Green Island. David McCormick, proprietor; office Gold Hill; claim 150 by 1500 feet; located 1878; situated in Gold Hill mining district, eleven miles from Boulder; vertical vein running northeast and southwest, average width 4 feet, pay vein 10 inches; nature of ore, free gold; one shaft 18 feet deep.

Grenada. Owned by William Sellers and D. J. Rollins; office Gold Hill; claim 150 by 1500 feet; located 1875; situated in Gold Hill mining district, ten miles from Boulder; course of vein northeast and southwest, average width 5½ feet, pitch 45° south; nature of ore, tellurium; average value $100 per ton; main shaft 30 feet deep.

Hanging Rock Group of Mines. Chicago and Colorado Mining Co., proprietors; situated in Ward mining district, at head of the North Boulder, four miles from Gold Hill.

Happy Jack. Owned by Samuel Baeder, Jacob Hummel and — Robbins; office Boulder; claim 150 by 1500 feet; located 1875; situated in Silver City gulch, Gold Hill mining district, nine miles from Boulder; vertical vein running northeast and southwest, average width 16 feet; pay vein 8 inches; nature of ore, tellurium and free gold; average value $600 per ton; main shaft 45 feet deep, one tunnel 85 feet and one level 35 feet in length.

Harriet N. Sylvester Hill, of Boulder, proprietor; claim 150 by 1500 feet; located 1877; situated on Jim creek, Jim Creek mining district, fifteen miles from Boulder; vertical vein running east and west, average width 7 feet, pay vein 5 inches; nature of ore, iron pyrites, assay value $100 per ton; main shaft 20 feet deep.

Hart. Eva Fee and Samuel L. Duston, proprietors; office Cincinnati, Ohio; claim 150 by 1500 feet; located 1876; situated on Hoosier hill, Gold Hill mining district, ten miles from Boulder; course of vein northeast and southwest, average width 3 feet; pitch northwest, pay vein 20 inches; nature of ore, iron pyrites, average value $50 per ton; main shaft 27 feet deep.

Hecla. Extension of Big Blossom, William G. Pell, Capt. E. Rowland and D. D. Hendrick, proprietors; office Boulder; claim

150 by 1500 feet; located 1878; situated near Springdale, Central mining district, twelve miles from Boulder; course of vein northeast and southwest, average width 3½ feet; pitch 5° north; nature of ore, tellurium and free gold, average value $60 per ton; main shaft 20 feet deep.

Hercules. Owned by Orris and Frank O. Blake and Jacob Cherney; office Boulder; claim 150 by 1500 feet; located 1878; situated on the south slope of Hoosier mountain, Sugar Loaf mining district, near town of Delphi, nine miles from Boulder; course of vein northeast and southwest, average width 4 feet, pitch 10° northwest; pay vein 6 to 12 inches; nature of ore, tellurium; average value $220 per ton; main shaft 30 feet deep.

Hillsboro. Owned by Elbridge Forsyth, William Hobson and Charles N. Hockaday; office Magnolia; located 1875; situated at Magnolia, Magnolia mining district, eight miles from Boulder; vertical vein trending east and west, width 4 feet; assay value $50 per ton; one shaft 25 feet deep.

Hoodo. William and James Pell, proprietors; office Boulder; claim 50 by 1500 feet, patented; located 1859; situated on Gold Hill, Gold Hill mining district, nine miles from Boulder; vertical vein running northeast and southwest; average width 5 feet; nature of ore, iron and copper pyrites; average value $60 per ton; main shaft 60 feet deep.

Hoosier, or Dana. Squires, Neikirk & Co., proprietors; office Boulder; claim 50 by 1500 feet, patented; located 1867; situated on Hoosier hill, near Gold Run, Gold Hill mining district, twelve miles from Boulder; vertical vein running north and south; average width 25 feet; nature of ore, gray copper and sulphurets of silver; average value $250 per ton; main shaft 150 feet deep, one tunnel 100 feet in length, shaft house 40 by 60 feet; yield to date $20,000.

Hopewell. Owned by the National Gold and Silver Mill and Mining Co., Kentucky; capital stock $750,000, Samuel Clay, Jr., Pres't, Norman Whitney, Vice-Pres't, T. S. Hamilton, Sec'y, Nathan Weare, Supt.; claim 150 by 4500 feet; located 1875; situated on Caribou hill, Grand Island mining district, two miles from Caribou and twenty-one miles from Boulder; vertical vein running east and west; average width 3 feet, pay vein 8 to 20 inches; nature of ore, gray copper, carbonates and sulphurets; average value $200 to $400 per ton; main shaft 125 feet deep, one tunnel 300 feet in length and 70 feet from surface, one level 80 feet in length and 30 feet from surface.

Horsefall. Richard Blower, of Boulder, proprietor; claim 50 by 1000 feet, patented; located 1859; situated in Gold Hill mining district, near town of Gold Hill, twelve miles from Boulder; vertical vein running northeast and southwest; average width 9 feet, pay vein 2 to 16 inches; nature of ore, iron pyrites and free gold; average value $70 per ton; main shaft 240 feet deep, aggregate depth of other shafts 1000 feet, one level 300 feet in length and 90 feet from surface.

Huberty. Owned by Henry Huberty, Henry Mack and M. J.

Holt; office Gold Hill; claim 150 by 1500 feet; located 1875; situated in Gold Hill mining district, eleven miles from Boulder; vertical vein running east and west, average width 5 feet, pay vein 6 inches; nature of ore, tellurium and free gold; main shaft 42 feet deep, one adit 60 feet in length.

Humboldt Property. Owned by Edward J. Binford and John J. Ellingham; office Denver; comprise, five patented claims 150 by 1500 feet each; situated in the town of Ward, Ward mining district, eighteen miles from Boulder; course of vein east and west, width 10 feet, pay vein 1 to 2 feet; nature of ore, iron pyrites and free gold; average value $50 per ton; two shafts 50 and 150 feet deep respectively, shaft house 26 by 60 feet; ten stamp mill, with a capacity for treating ten tons of ore daily, containing a 20-horse power engine and a slack belt hoisting machine; yield to date $3,000.

Idaho Tunnel Co., incorporated January 27, 1874; capital stock $50,000, in 5,000 shares, $10 each; office Caribou; organized by Walter B. Jenness, Abram B. Chapline, Thomas Proctor and William H. Baker.

Illinois. Henry E. Wood, J. Alden Smith and E. M. Hawkins, proprietors; office Sunshine; claim 150 by 1500 feet; situated in Sunshine gulch, half mile from town of Sunshine, Gold Hill mining district, seven miles from Boulder; course of vein northeast and southwest, average width 2 feet, pitch 5° east, pay vein 5 inches; nature of ore, tellurium, petzite and sylvanite; average value $108 per ton; main shaft 50 feet deep.

Illinois and Colorado Mining Co., organized under the laws of the State of Illinois June 26, 1877; capital stock $750,000, in 7,500 shares, $100 each; offices Jacksonville, Illinois, and Boulder, Colorado; organized by Benjamin F. Bergen, Barnett T. Napier and Isaac Cooper.

Ingram Owned by Hiram Fuller, Thomas Shires and C. G. Buckingham; office Boulder; claim 75 by 1500 feet; situated in Salina, nine miles from Boulder; course of vein northeast and southwest, average width 4 feet, pitch 10° north; pay vein 6 inches; nature of ore, tellurium, average value of first class ore, $500 per ton; main shaft 100 feet deep.

I. O. U. Henry N. Coffee, Sylvester Hill, and Anthony Arnett, proprietors; office Balarat; claim 150 by 1500 feet; located 1874; situated in Four Mile gulch, Gold Hill mining district, six miles from Boulder; course of vein northeast and southwest, average width 4 feet, pitch 10° west; nature of ore, tellurium and gray copper, average value $40 per ton; main shaft 70 feet, one tunnel 75 feet in length.

Iron. Owned by Ulysses Pugh and Samuel Mishler, of Caribou, proprietors; claim 50 by 1400 feet; located 1864; situated on Caribou Hill, Grand Island mining district, twenty-three miles from Boulder; vertical vein running east and west; average width 8 feet, pay vein 6 feet; nature of ore, iron and copper pyrites; average value $100 per ton; one shaft 25 feet deep.

Iron Mountain. Owned by George Fanner, Peter Davis and W. Worthing; office Salina; claim

150 by 1500 feet; located 1877; situated on Melvina hill, Gold Hill mining district, nine miles from Boulder; course of vein northeast and southwest, average width 10 inches, pitch 5° northwest, pay vein 4 inches; nature of ore, tellurium, assay value $60 per ton; main shaft 20 feet deep.

Isabelle. Owned by Anthony Arnett, John Weese and D. Whitier; office Boulder; claim 50 by 1500 feet, patented; located 1868; situated on Caribou hill, Grand Island mining district, twenty-two miles from Boulder; vertical vein running northeast and southwest, average width 4 feet; nature of ore, sulphurets, average value $850 per ton; main shaft 60 feet deep; yield $10,000.

Jefferson. Owned by Capt. Ebenezer Rowland, George C. Corning, John P. Mitchell and John B. Maas, office Boulder; claim 50 by 1500 feet, patented; located 1871; situated in McKnight gulch, two miles from Gold Hill and eleven miles from Boulder; vertical vein running northeast and southwest, average width 4 feet, pay vein 16 inches; nature of ore, gray copper, free gold, zinc blende and sulphurets of copper, average value $50 per ton; main shaft 50 feet deep, one tunnel 150 feet in length.

John Jay. Archibald J. VanDeren, proprietor; office Boulder; claim 150 by 1500 feet, patented; located 1875; situated three miles from Jamestown, on James creek, Central mining district, fifteen miles from Boulder; course of vein northeast and southwest, average width 3½ feet, pitch 22° northwest; nature of ore, tellurium and sylvanite, average value $100 per ton; main shaft 255 feet deep, and two other shafts 45 and 56 feet respectively, 6 levels, 40, 50, 80, 110, 167 and 250 feet from surface respectively, aggregating 385 feet in length; two shaft houses, one ore house and blacksmith shop, hoisting apparatus and a fifteen horse power engine.

Juniata. Owned by Homer H. Smith, Cornelius Van Keuren, Van Nest Talmadge and Charles Abbey; office Sunshine; claim 150 by 1500 feet; located 1874; situated in town of Sunshine, Gold Hill mining district, seven miles from Boulder; vertical vein running northeast and southwest, average width 3 feet, pay vein 1 foot; nature of ore, galena, gray copper and tellurium, average value $200 per ton; main shaft 90 feet deep, one drift 30 feet in length.

Kekeonga. Owned by Frederick W. Strout and John Pughe, of Sunshine; claim 150 by 1475 feet, patented; located 1875; situated on Magnolia hill, Gold Hill mining district, five miles from Boulder; course of vein northeast and southwest, average width 4 feet, pitch 5° southeast, pay vein 2 feet; nature of ore, tellurium of silver, average value $45 per ton; main shaft 70 feet deep, one level 30 feet in length and 60 feet from surface.

Keno. Thomas J. Graham and John W. Smith, proprietors; office Boulder; claim 50 by 3000 feet, patented; located 1865; situated on Hoosier hill, near town of Gold Hill, ten miles from Boulder; vertical vein running northeast and southwest, average width 20 feet; nature of ore, galena and gray copper, average value $40 per ton; main shaft 50 feet deep.

Kerns, John M. Owned by William A. Meralls, Hugh D. McGraw and Samuel Force, of Salina; claim 150 by 1500 feet; located 1875; situated on Hoosier hill, Sugar Loaf mining district, half mile from town of Salina, and eight miles from Boulder; course of vein northeast and southwest, average width 4½ feet, pitch 10° west, pay vein 14 inches; nature of ore, tellurium, sylvanite and petzite, average value $128 per ton; main shaft 110 feet deep, aggregate depth of other shafts 586 feet, one level 22 feet in length.

Keystone. Owned by the Keystone Mining Co., Colorado, incorporated Dec. 16, 1876; capital stock $150,000, in 1500 shares, $100 each; Jacob Carvell, President, Wm. A. Hardenbrook, Vice President; office Boulder; claim 150 by 1550 feet; located 1875; situated on Magnolia hill, Magnolia mining district, eight miles from Boulder; course of vein, northeast and southwest, average width 5 feet. pitch 45° north, pay vein, 1 to 20 inches; nature of ore, tellurium, average value $350 per ton; main shaft 250 feet deep, aggregate length of other shafting 300 feet, 5 levels, 40, 70, 90, 155 and 200 feet from surface respectively, aggregating 600 feet in length; shaft house 30 by 40 feet, one engine 20 horse power, and one steam pump.

Keystone Mineral and Land Association, of Colorado. Thomas J. Graham, Agent. The property of this company is situated nine miles west from Boulder, in the great mineral belt, which passes through the country in a northeasterly and southwesterly course, from the mining regions of Gilpin county on the southwest, and the Balarat district in the northeast part of Boulder county. It comprises over 2000 acres of mineral land, surrounded by the richest mining districts in the county. Caribou adjoining it on the west, Magnolia on the east and south, and Sugar Loaf on the north. The north and middle Boulder creeks, and the stage road leading from Boulder to Nederland, Caribou and Central City passes through this property. Twenty lodes have been discovered on this land, some of which are rich in gold, silver, copper and lead; they are very wide and only partially developed; shafts varying in depth from 10 to 70 feet have been sunk and many other prominent mineral bearing loads have not been worked; being located below the snow belt, mining operations can be conducted all winter; the water power is unlimited, and the surface is well supplied with timber suitable for all purposes. The title is patented from the government to the original purchasers; it was then conveyed by warrantee deeds to the present owners. Thomas J. Graham, of Boulder, Colorado, is the agent for this property, and to whom all communications should be addressed.

Key West. Owned by H. P. Walker, T. J. Griffin, John Miller and Thomas F. Hendershot; office Jamestown; claim 150 by 1500 feet; located 1878; situated on Golden Age hill, Central mining district, two miles from Jamestown, and ten miles from Boulder; course of vein, northeast and southwest, average width 4 feet, pitch 5° south, pay vein 8 inches;

nature of ore, tellurium and free gold; main shaft 25 feet deep.

King William. Andrew G. Olsson and J. V. Pomeroy, proprietors; office Jamestown; claim 150 by 1500 feet; located 1875; situated in King William gulch, Central mining district, near town of Springdale, twelve miles from Boulder; course of vein, northeast and southwest, average width 5 feet, pitch 10° south, pay vein 18 inches; nature of ore, tellurium and iron pyrites, average value of first class ore, $10.000, second class ore, $200, and third class ore, $15 per ton; total yield, $3,000.

Kit Carson. Owned by Enos K. Baxter, A. M. Graves and S. W. Leedon, of Central City; claim 150 by 1400 feet; located 1875; situated on Magnolia hill, Magnolia mining district, eight miles from Boulder; vertical vein, trending east and west, average width 4 feet, pay vein 4 inches; nature of ore, tellurium, average value $150 per ton; main shaft 50 feet deep.

Kleine Nelly. H. J. Van Wettering and P. H. Van Diest, proprietors; office Sunshine; claim 150 by 1500 feet; located 1875; situated in Sunshine, Gold Hill mining district, seven miles from Boulder; vertical vein running northeast and southwest, average width 3½ feet, pay vein 5 inches; nature of ore, tellurium; average value $50 per ton; main shaft 60 feet deep.

Lafayette. Maj. Orris Blake, proprietor; office Boulder; claim 150 by 1500 feet; situated on the south slope of Hoosier hill near town of Delphi, Sugar Loaf mining district, nine miles from Boulder; course of vein, northeast and southwest, average width 4 feet, pitch northwest, pay vein 1 foot; nature of ore, tellurium, average value of first class ore $3,000 and second class ore $450 per ton; main shaft 25 feet deep, reached by tunnel at a distance of 45 feet from the mouth, and intersected at a depth of 30 feet.

Lafayette. Owned by Cornelius Van Keuren and Charles North, of Sunshine; claim 150 by 1350 feet; situated on Lee hill, Gold Hill mining district, three miles from town of Sunshine, and nine miles from Boulder; course of vein northeast and southwest, average width 5 feet, pitch 10° east, pay vein 15 inches; nature of ore, tellurium and free gold, average value $700 per ton; main shaft 55 feet deep, aggregate depth of other shafts 30 feet, one drift 20 feet in length.

Last Chance and Great Eastern. Owned by James M. Farmer, Joseph Collier and others; office Salina; claim 150 by 1514 feet; located 1875; situated on Melvina hill, Gold Hill mining district, nine miles from Boulder; course of vein northeast and southwest, average width 20 inches, pitch 20°, pay vein 8 inches; nature of ore, tellurium, average value $300 per ton; main shaft 200 feet deep; aggregate length of levels 160 feet; shaft house 14 by 20 feet, yield $10,000.

Last Chance. Owned by O. H. Harker, William Marr, George J. Foster, William McConnaughey and B. H. Frisbee; office Providence; claim 150 by 1500 feet; located 1875; situated on north side of Jim creek, Central mining district, three miles from Jamestown and sixteen miles from Boulder; course of vein northeast and southwest, average width 2½ feet, pitch 30° northwest, pay vein 1 to 14 inches; nature of ore, tellurium, average value $600 per ton; main shaft 100 feet, and one other shaft 50 feet deep, two levels 30 and 25 feet in length respectively; yield $9,000.

Lee, Robert E. Owned by John Corser, John Simpson and John Mitchell; office Gold Hill; claim 150 by 1500 feet, located 1875; situated on 7:30 hill, Gold Hill mining district, twelve miles from Boulder; course of vein northeast and southwest, average width 3 feet, pitch 5° north, pay vein 4 to 8 inches; nature of ore, free gold, average value $125 per ton; main shaft 40 feet deep.

Licon. Samuel Baeder, of Boulder, proprietor; claim 150 by 1500 feet; located 1874; situated in Sunbeam gulch, Sugar Loaf mining district, two miles from town of Salina, and eight miles from Boulder; vertical vein running northeast and southwest, average width 8 feet, pay vein 1 foot; nature of ore, tellurium and brittle silver, average value $30 per ton; main shaft 60 feet deep.

Lily of the West. Owned by Mat. Heiser, Louis Coffman, Emery Nutt and others; office Sunshine; claim 150 by 1500 feet; situated in Castle gulch, Central mining district, near town of Springdale, eleven miles from Boulder; course of vein northeast and southwest, average width 2½ feet, pitch 10° south, pay vein 10 inches; nature of ore, tellurium of silver; average value $58 per ton; main shaft 60 feet deep, one drift 25 feet in length.

Lindley. John C. Blake, proprietor; office Boulder; claim 75 by 1100 feet, patented; located 1871; situated on Four Mile creek, Sugar Loaf mining district, one mile from town of Delphi, and ten miles from Boulder; vertical vein running nortwest and southeast, average width 30 feet; nature of ore, copper pyrites and gray copper, average value $30 per ton; main shaft 115 feet deep; shaft house 20 by 20 feet.

Little Alice. J. B. Joslin, Austin and William Boden and Wenzel Tucker, proprietors; office Rockville; claim 150 by 1500 feet; located 1873; situated on Left Hand gulch, Gold Hill mining district, two and one-half miles from Sunshine, and nine miles from Boulder; course of vein northeast and southwest, average width 5 feet, pitch 5° south; nature of ore, tellurium, sylvanite, ruby silver and free gold, average value $250 per ton; main shaft 150 feet deep, aggregate length of levels 50 feet.

Little Annie. Owned by H. C. and E. P. Thompson and Charles Davis, of Boulder; claim 150 by 1500 feet; located 1876; situated in Bummer gulch, Sugar Loaf mining district, six miles from Boulder; course of vein east and west; width 3 feet, pitch 5° north; pay vein 3 inches; nature of ore, tellurium; average value $600 per ton; main shaft 50 feet deep; yield $1000.

Little Belle. Owned by Henry Deitz and Benjamin Hayman, of Boulder; claim 150 by 1500 feet; located 1866; situated in Bummer gulch, Sugar Loaf mining district, nine miles from Boulder; course of vein east and west; average width 6 feet, pitch 40° north; pay vein 30 inches; nature of ore, tellurium; average value $65 per ton; two shafts, aggregate length 130 feet; one tunnel 100 feet in length, one shaft house 20 by 24 feet; yield $5,000.

Little Brittain. Marcus Bronson and Henry C. Thompson, proprietors; office Boulder; claim 150 by 1500 feet; located 1875; situated near Hoosier hill, one mile from Salina and ten miles from Boulder; course of vein southeast and northwest; average width 3 feet; pay vein 6 inches, pitch 5° north; nature of ore, gray copper; average value 100 ounces silver per ton; main shaft 90 feet deep.

Little Daisey. Orris and Frank O. Blake and Jacob Cherney, proprietors; office, Boulder; claim 150 by 1500 feet, patented; located 1875; situated on the south slope of Hoosier mountain, Sugar Loaf mining district, near town of Delphi, nine miles from Boulder; course of vein northeast and southwest, average width 3 feet, pitch 10° northwest, pay vein 8 inches; nature of ore, tellurium and iron pyrites, average value $225 per ton; main shaft 75 feet deep.

Little Dorrit. Owned by Charles G. Buckingham, Jay J. Joslin and the Selkirk Estate; claim 150 by 1500 feet, patented; located 1875; situated on Keystone hill, Magnolia mining district, eight miles from Boulder; course of vein northeast and southwest, width 3 feet, pay vein 6 inches, pitch 40° north; nature of ore, tellurium, average value $200 per ton; three shafts, aggregate depth 235 feet, one level 75 feet in length; yield $10,000.

Little Eddie. Silas S. Kennedy, Benjamin H. Eaton, William H. Lessig, Jacob Hawke and William A. Christian, proprietors; office, Balarat; claim 150 by 1500 feet; located 1876; situated in Long gulch, Central mining district, in town of Balarat, seventeen miles from Boulder; course of vein northeast and southwest, average width 2 feet, pitch east, pay vein 3 inches; nature of ore, tellurium, average value $300 per ton; main shaft 25 feet deep, one drift 35 feet in length and 20 feet from surface.

Little Giant. Owned by Dr. Harrison Goodwin, William W. Birch and Giles Blevin, of Longmont; claim 75 by 900 feet; situated in Sunshine, Gold Hill mining district, seven miles from Boulder; course of vein northeast and southwest, average width 5 feet, pitch 5° southwest, pay vein 10 inches; nature of ore, tellurium, sylvanite, petzite and free gold, average value $60 per ton; main shaft 100 feet deep.

Little Giant. Owned by Elbridge Forsyth, David Waldron and William Blake; office Magnolia; claim 150 by 1500 feet; located 1877; situated on Magnolia hill, Magnolia mining district, eight miles from Boulder; course of vein northeast and southwest, width 3 feet, pay vein 14 inches, pitch 45° north; nature of ore, tellurium, assay value $200 per ton; main shaft 60 feet deep.

Little Giant. Owned by H. J. Van Wettering and P. H. Van Diest; office Sunshine; claim 50 by 600 feet; situated in town of Sunshine, Gold Hill mining district, seven miles from Boulder; vertical vein running northeast and southwest, average width 5 feet, pay vein 14 inches; nature of ore, tellurium, average value $50 per ton; main shaft 26 feet deep.

Little Rebel. Cyrus B. Ayres, proprietor, office Boulder; claim 150 by 1500 feet; located 1877; situated near Gifford gulch, Central mining district, two miles from Jamestown and eighteen miles from Boulder; course of vein north east and southwest, average width 5 feet, pitch 45° northeast, pay vein 15 inches; nature of ore, tellurium, average value $200 per ton; one shaft 11 feet deep.

Little Sue. John Borgeson, proprietor; office Gold Hill; claim 150 by 1500 feet; located 1875; situated on Gold Hill, Gold Hill mining district, twelve miles from Boulder; vertical vein running northeast and southwest; average width 3 feet; pay vein 18 inches; nature of ore, galena and tellurium; average value $100 per ton; main shaft 40 feet deep, aggregate depth of other shafts 20 feet.

Logan, Quincy and Crœsus, Consolidated. Aaron W. Kellogg & Co., proprietors; office Sunshine; claim 150 by 4000 feet; located 1875; situated in Sunbeam gulch, Sugar Loaf mining district, seven miles from Boulder; course of vein north and south; average width 5 to 12 feet; pitch 15°, pay vein 4 to 12 inches; nature of ore, tellurium and free gold; average value $625 per ton; main shaft 106 feet deep, aggregate depth of other shafts 100 feet, aggregate length of levels 240 feet; yield $21,000.

Longfellow. James D. Smith, William A. and Charles J. Christian, proprietors; office Denver; claim 150 by 1500 feet; located 1877; situated in Long gulch, in town of Balarat, Central mining district, seventeen miles from Boulder; course of vein east and west; average width 5 feet, pitch 15° south, pay vein 12 inches; nature of ore, sulphurets; average value $105 per ton; main shaft 100 feet deep, one tunnel 60 feet in length and 35 feet from surface, one level 65 feet in length and 60 feet from surface; total yield $1,200.

Louis. Henry C. Thompson, proprietor; office Boulder; claim 150 by 1500 feet; located 1876; situated on Louis mountain, Central mining district, half mile from Springdale and thirteen miles from Boulder; course of vein northeast and southwest, average width 3½ feet, pitch 5° south, pay vein 14 to 18 inches; nature of ore, tellurium and free gold; average value $300 per ton; main shaft 100 feet deep, aggregate length of other shafting 150 feet; this property is now leased to the Turner Tunnel Mining and Milling Co., of Louisville, Kentucky; total yield $5,000.

Lowell, Ben C. J. V. Pomeroy and John S. Reid, proprietors; office Magnolia; claim 50 by 1500 feet, located 1875; situated on Magnolia hill, Magnolia mining district, eight miles from Boulder; vertical vein trending east and west, average width 7 feet, pay vein 2 feet; nature of ore, free gold; average value $55 per ton; one shaft 103 feet deep.

Mack. Anthony Arnett, proprietor; office Boulder; claim 50 by 1500 feet, patented; located 1859; situated on Gold Hill, Gold Hill mining district, eight miles from Boulder; course of vein northeast and southwest, average width 3 feet, pitch south, pay vein 20 inches; nature of ore, tellurium; average value $200 per ton; main shaft 30 feet deep, aggregate depth of other shafts 110 feet, one level 90 feet in length and 30 feet from surface; yield $5,000.

Magnetic. Daniel Drummond and Joel T. St. Clair, proprietors; office Left Hand; claim 150 by 1500 feet; located 1877; situated on Gold Hill, Gold Hill mining district, ten miles from Boulder; vertical vein trending northeast and southwest, width 3 feet, pay vein 6 inches; nature of ore, iron pyrites; average value $125 per ton; main shaft 25 feet deep.

Magnolia. Owned by Charles G. Buckingham, C. A. Stuart and others; office Magnolia; claim 150 by 3000 feet, patented; located 1875; situated on Magnolia hill, Magnolia mining district, eight miles from Boulder; course of vein east and west, width 3 feet, pitch 5° north, pay vein 10 inches, nature of ore, tellurium, silver glance and ruby silver; value $150 per ton; main shaft 100 feet deep, one level 45 feet in length.

Magnolia Consolidated Gold Mining and Concentration Co., incorporated March 23, 1876; capital stock $300,000 in 3,000 shares, $100 each; office Boulder; organized by John Landon, Leland W. Green, Daniel A. McPherson, J. H. Salisbury, E. L. Hubbard, B. F. Pine and Alfred Tucker.

Malava. Owned by George Tanner, Peter Davis and W. Worthing; office Salina; claim 150 by 1500 feet; located 1876; situated on Melvina hill, Gold Hill mining district, nine miles from Boulder; vertical vein running north and south; average width 10 inches, pay vein 3 inches; nature of ore, tellurium; assay value $25 per ton; main shaft 60 feet deep.

Marblehead. Owned by Frederick Pocock, A. Wilde, Lawrence Singer and John Alderson; office Salina; claim 150 by 1500 feet; located 1874; situated on Bighorn mountain, Gold Hill mining district, eight miles from Boulder; course of vein northeast and southwest, average width 4 feet, pitch 10° northwest, pay vein 1 foot to 18 inches; nature of ore, tellurium and sylvanite; average value $375 per ton; main shaft 38 feet deep; aggregate depth of other shafts 69 feet, one level 15 feet in length, and 25 feet from surface; yield $30,000.

Mary. Owned by Henry Monell and others; office Salina; claim 150 by 1500 feet; located 1878; situated on Melvina hill, Gold Hill mining district, eight miles from Boulder; course of vein northeast and southwest, average width 1 foot, pitch 15° north, pay vein 1 inch; nature of ore, tellurium, assay value $800 per ton; main shaft 13 feet deep.

Maryland. Owned by Joseph Pasco, H. C. Cameron and D. H. Saylor; office Salina; claim 150 by 1500 feet; located 1876; situated on Gold run, Gold Hill mining district, eight miles from Boulder; course of vein northeast and southwest, average width 3 feet, pitch 5° southeast, pay vein 18 inches; nature of ore, galena and zinc blende, assay value $60 per ton; one adit 75 feet in length.

Mastadon Mining Co., incorporated October 30, 1878; capital stock $400,000, in 40,000 shares, $10 each; office Denver; organized by Gabriel Netter, E. Winslow Cobb and Clarence P. Elder.

May Flower. John L. Butzel and Andrew J. Mackey, proprietors; office Boulder; claim 150 by 1500 feet, patented; located 1876; situated near Lee hill, Gold Hill mining district, eight miles from Boulder; vertical vein trending northeast and southwest, width 15 feet, pay vein 4 to 12 inches; nature of ore, tellurium; average value $125 per ton; main shaft 140 feet deep.

McCarty Mining Co., incorporated September 4, 1874; capital stock $50,000, in 500 shares, $100 each; office Boulder; organized by Alexander Boyd, Leander McCarty and Henry H. Curtis.

Meland. Owned by Victor Roux, Henry Chmal and Henry Lions, of Boulder; claim 150 by 1500 feet; located 1874; situated in Boulder cañon, Grand Island mining district, eight miles from Boulder; vertical vein running east and west, average width 12 feet, pay vein 3 feet; nature of ore, tellurium, average value $100 per ton; main shaft 60 feet deep, one tunnel 150 feet in length.

Melvina. Owned by Henry Neikirk, Henry Meyring, Melvin Bailey and Marion Kissler; office Boulder; claim 150 by 1500 feet, patented; located 1875; situated on Melvina hill, near town of Salina, Gold Hill mining district, nine miles from Boulder; course of vein, northeast and southwest, average width 3 feet, pitch 10° northeast, pay vein 8 inches; nature of ore, tellurium, average value $500 per ton; main shaft 300 feet deep; aggregate length of levels 1000 feet; engine and ore house 40 by 40 feet; one engine, 12-horse power; yield $200,000.

Memphis Gold and Silver Mining Co., incorporated May, 1877; capital stock $300,000, in 60,000 shares, $5 each; offices Sunshine, Colorado, and Broadway, New York; A. R. Chisolm, Pres't, J. Harvey Jones, Vice Pres't, William S. Walker, Sec'y, William McClure, Treas'r, Owen E. LeFevre, Managing Director; claim 150 by 3000 feet; discovered 1871; situated in Left Hand gulch, near town of Sunshine, Gold Hill mining district, seven miles from Boulder; course of vein northeast and southwest, width 4 feet; pay vein 1 foot, pitch 45° northwest; nature of ore, tellurium and free gold, average value $65 per ton; developed by four shafts, aggregating 215 feet in depth, and three levels, aggregating 325 feet in length.

Merchants' and Miners' Tunnel Co., incorporated July 21, 1876; capital stock $500,000 in 50,000 shares, $10 each; office Denver; organized by Jay J. Joslin, Augustus B. Ingols and A. J. Bean.

Mexico. Owned by the Santa La Saria Mining Co., Colorado; claim 150 by 1500 feet; located 1856; situated on White Cloud mountain, Grand Island mining district, two and a half miles from Nederland and fifteen miles from Boulder; course of vein northeast and southwest, average width 5 feet, pitch 30° southwest, pay vein 1 foot; nature of ore, galena, gray copper, native silver and sulphurets of silver; average value 100 ounces silver per ton; will be reached by the Santa La Saria tunnel at a distance of 225 feet from the mouth and intersected at a depth of 400 feet, 4 levels aggregate length 500 feet; yield $30,000.

Milwaukee. Owned by the Sunnyside Mining Co., of Milwaukee, Wisconsin; claim 150 by 1500 feet, patented; located 1871; situated on Bald mountain, Ward mining district, eight miles from town of Gold Hill and twenty miles from Boulder; course of vein east and west, width 3 to 10 feet, pitch 35° north, pay vein 1 to 3 feet; nature of ore, iron pyrites and carbonate of copper; average value $120 per cord; main shaft 235 feet deep, aggregate depth of other shafts 197 feet, aggregate length of levels 200 feet; yield $11,000.

Mineral Point. Joseph Steppler and Joseph Steppler, Jr., proprietors, office Denver; claim 150 by 1500 feet, patented; situated on Big Horn mountain, Gold Hill mining district, ten miles from Boulder; course of vein northeast and southwest; width 5 feet, pitch 25° north, pay vein 30 inches; nature of ore, tellurium and gray copper; value $450 per ton; main shaft 85 feet deep, one tunnel 40 feet, and one level 45 feet in length.

Miner's Hope. Owned by Hiram Fuller and Thomas Shires; office Salina; claim 150 by 1500 feet, patented; located 1874; situated in Silver City gulch, Gold Hill mining district, eight miles from Boulder; course of vein east and west, width 2 feet, pitch 20° north, pay vein 4 to 6 inches; nature of ore, tellurium, average value $550 per ton; main shaft 40 feet deep, aggregate length of adits 33 feet; yield $1,600.

Mining Company of New Jersey, organized under the laws of the State of New Jersey, February 10, 1876; capital stock $500,000 in 5,000 shares, $100 each; office Camden, New Jersey; trustees, A. G. Curtin, Alexander G. Cattell, Aden Alexander, D. S. Stetson, Thomas H. Dudley, Dell Noblit, Jr., Constance Curtain, John J. Curtin and Edward Dudley.

Minneapolis. Owned by Joseph Steppler and Joseph Steppler, Jr., of Denver; claim 150 by 1500 feet, patented; located 1874; situated on Big Horn mountain, Gold Hill mining district, eight miles from Boulder; course of vein northeast and southwest, width 3 feet; pay vein 6 inches, pitch 45° north; nature of ore, free gold and tellurium; value, $500 per ton; one shaft 50 feet deep, one tunnel 30 feet in length.

Missouri Valley. Owned by Samuel Markert, George Spencer, George Fairburn aud William Martin; office Caribou; claim 50 by 1400 feet, located 1873; situated on Caribou hill, Grand Island mining district, twenty-three miles from Boulder; course of vein northeast and southwest, average width 2 feet, pitch 15° north, pay vein 12 inches, nature of ore, galena, iron and copper pyrites, average value $350 per ton; main shaft 600 feet deep, one level 60 feet in length and 50 feet from surface; shaft house 16 by 20 feet; yield $12,000.

Modoc. Henry Deitz, of Boulder, proprietor; claim 150 by 1500 feet; located 1876; situated in Bummer gulch, Sugar Loaf mining district, nine miles from Boulder; vertical vein running southeast and northwest, average width 3 feet; nature of ore, copper pyrites; one shaft

20 feet deep, one tunnel 100 feet in length.

Mollie Mullen. Silas S. Kennedy, Benjamin H. Eaton, William H. Lessig, Jacob Hawke and William A. Christian, proprietors; office Balarat; claim 150 by 1500 feet, patented; located 1876; situated in Long gulch, Central mining district, seventeen miles from Boulder; vertical vein running northwest and southeast, average width 4 feet, pay vein 6 inches; nature of ore, tellurium; average value $40 per ton; main shaft 50 feet deep.

Moltke. Chicago and Colorado Mining Co., proprietors; offices Boulder, Colorado, and Chicago, Illinois; claim 900 by 7500 feet, patented; located 1874; situated on Moltke hill, Ward mining district, sixteen miles from Boulder; vertical vein running east and west, average width 3 feet, pay vein 5 inches; nature of ore, galena; average value $350 per ton; one tunnel 200 feet in length, which intersects the vein at a depth of 18 feet, aggregate length of levels 800 feet.

Monitor. Monitor Mining Co., proprietors; office Rochester, N. Y., H. P. Everest, Pres't, E. A. Hupper, Sup't; claim 150 by 1500 feet, patented; located 1870; situated on Idaho hill, Grand Island mining district, twenty-three miles from Boulder; course of vein east and west, width 3½ feet, pitch 20° north; nature of ore, galena and sulphurets, average value $70 per ton; main shaft 265 feet deep; aggregate length of levels 230 feet; shaft, engine and ore-house combined, 16-horse power engine and hoisting apparatus.

Monongahela. Owned by Richard Veale, C. C. Bradbury and William G. Shedd, of Sunshine; claim 150 by 1500 feet; located 1874; situated in town of Sunshine, Gold Hill mining district, seven miles from Boulder; vertical vein trending northeast and southwest, average width 4 feet, pay vein 8 inches; nature of ore, tellurium; main shaft 40 feet deep.

Monongahela. Situated on Caribou hill, near town of Caribou, twenty-two miles from Boulder; main shaft 100 feet deep.

Montana. Owned by Samuel and William Garret, of Salina; claim 150 by 1500 feet; located 1877; situated on Big Horn mountain, Gold Hill mining district, near town of Salina, eight miles from Boulder; course of vein north and south, average width 6 feet, pitch 10° west, pay vein 14 inches; nature of ore, sylvanite and free gold, value $1,800 per ton; main shaft 85 feet deep, aggregate depth of other shafts 60 feet, one adit 30 feet in length; yield $5,000.

Morning Star. Paul P. Miller, proprietor; claim 150 by 1500 feet; located 1873; situated in Spring gulch, Ward mining district, near town of Columbia, nineteen miles from Boulder; course of vein northeast and southwest, average width 10 feet, pitch north, pay vein 8 inches; nature of ore, free gold, average value $300 per ton; main shaft 30 feet deep, aggregate depth of other shafts 70 feet, one tunnel 100 feet in length, one level 30 feet in length and 30 feet from surface.

Mott Fanny. Armstrong, Ankeny & Co., proprietors; offices, Jamestown, Colorado, and Xenia, Ohio; claim 150 by 1500 feet; located 1876; situated on Golden Age hill, Central mining district, fourteen miles from Boulder; course of vein northeast and southwest, pay vein 8 to 9 inches; nature of ore, free gold, average value $40 per ton; main shaft 85 feet, and one other shaft 10 feet deep.

Mount Pleasant. Owned by Thomas J. Graham and John W. Smith; office Boulder; claim 50 by 1400 feet, patented; located 1863; situated in Central mining district, half mile from Jamestown and fourteen miles from Boulder; course of vein northwest and southeast, average width 4 feet, pitch 5° north, pay vein 4 to 15 inches; nature of ore, galena and copper pyrites, average value $50 per ton; main shaft 75 feet deep, aggregate depth of other shafts 140 feet, one level 60 feet in length.

Mount Sterling. Owned by John W. McFall and William Sellers; office Gold Hill; claim 150 by 1500 feet; located 1875; situated in Gold Hill mining district, ten miles from Boulder; vertical vein running northeast and southwest, average width 4 feet, pay vein 13 inches; nature of ore, tellurium, average value $275 per ton; main shaft 25 feet deep.

Mount Vernon. Situated on Caribou hill, near town of Caribou, Grand Island mining district, twenty-two miles from Boulder; developed by five shafts, 20, 30, 40, 60 and 100 feet in depth respectively; value of ore 40 to 80 ounces silver per ton.

Mountain Chief. Charles E. Wiswall and W. A. Hammond, proprietors; office Gold Hill; claim 150 by 1500 feet; located 1875; situated in Graham gulch, two miles from town of Gold Hill and ten miles from Boulder; course of vein east and west, average width 4 feet, pitch 25° south, pay vein 1 foot; nature of ore, decomposed granite, average value $1,000 per ton; main shaft 125 feet deep, two drifts 100 and 150 feet in length respectively.

Mountain Chief. Mountain Chief Mining Co., proprietors; incorporated 1877; capital stock $20,000; B. Frank Wood, Pres't, John H. Wood, Sec'y and Treas., Thomas L. Wood, Sup't; offices, Sunshine, Colorado, and Broad street, New York; claim 50 by 1400 feet, patented; located 1872; situated in Silver City, Gold Hill mining district, near town of Sunshine, seven miles from Boulder; course of vein northeast and southwest, average width 3 feet, pitch 30° northwest; nature of ore, galena, gray copper and iron pyrites, average value $35 per ton; main shaft 136 feet deep.

Mountain Lion. Owned by Frederick R. Luce and Augustus Paddock, of Boulder; claim 150 by 1450 feet, patented; located 1875; situated on Magnolia hill, Magnolia mining district, nine miles from Boulder; course of vein east and west, width 4 feet, pay vein 1 to 12 inches, pitch 45° north; nature of ore, tellurium, value $520 per ton; main shaft 200 feet deep, three levels aggregate length 600 feet; shaft house 22 by 60 feet; yield $35,000.

Mountain Lion Mining Co., incorporated August 11, 1876; capital stock $250,000, in 10,000 shares, $25 each; office Boulder; organized by Andrew W. Gill, Philip W. Ver Plank and Charles P. Berdell.

Mountain Ram. Granville M. Bottoms, proprietor; office Boulder; claim 150 by 1500 feet; located 1876; situated on James creek, James Creek mining district, sixteen miles from Boulder; course of vein northeast and southwest, width 6 feet, pay vein 12 inches, pitch 20° north; nature of ore, tellurium; average value $47 per ton; main shaft 115 feet deep; yield $2,000.

Mountain Tiger. John W. McFall and J. M. Miller, proprietors; office Gold Hill; claim 150 by 1500 feet; located 1876; situated in Gold Hill mining district, ten miles from Boulder; vertical vein running northeast and southwest, average width 3 feet, pay vein 5 inches; nature of ore, tellurium, assay value $500 per ton; main shaft 60 feet deep.

Mountain View. Mountain Chief Mining Co., William E. Cook and James A. Thomason, proprietors; offices, Sunshine, Colorado, and New York City; claim 150 by 1500 feet; located 1874; situated in town of Sunshine, Gold Hill mining district, seven miles from Boulder; vertical vein, running northeast and southwest, average width 2½ feet, pay vein 8 inches; nature of ore, galena, gray copper and iron pyrites, average value of first-class ore $900, second-class ore $200, and third-class ore $60 per ton; main shaft 125 feet deep, two levels, aggregate length 160 feet; shaft house 30 by 46 feet; yield $2,000.

Mountain View, east extension. Owned by Benjamin F., Thomas L. and John R. Wood; office Sunshine; claim 150 by 375 feet; main shaft 25 feet deep, average value of ore $150 per ton.

Mouth. Owned by Alex. L. Gravelle, Burrell McPherson and Isaac N. Loper; office Gold Hill; claim 150 by 1500 feet; located 1877; situated on North Boulder creek, Sugar Loaf mining district, three miles from Nederland and twenty miles from Boulder; vertical vein, running north and south, average width 100 feet, pay vein 2 feet; nature of ore, gray copper, average assay value $200 per ton; one tunnel 75 feet from surface and 45 feet in length.

Mystic. Owned by Anne Bixby, Eugene Wilder, James Stevens and Gorham Foster, of Boulder; claim 150 by 1500 feet; located 1875; situated in Wagner's Camp, Gold Hill mining district, two miles from town of Magnolia and seven miles from Boulder; course of vein northeast and southwest, average width 4 feet, pitch 5° southeast, pay vein 2 feet; nature of ore, tellurium, average value $255 per ton; main shaft 50 feet deep.

National. Angelo Ruvera, proprietor; office Salina; claim 150 by 1500 feet; located 1876; situated in Ringold gulch, Sugar Loaf mining district, two miles from town of Gold Hill and eleven miles from Boulder; course of vein northeast and southwest, average width 10 feet, pitch south, pay vein 1 foot; nature of ore, galena and gray copper; one shaft 12 feet deep, one tunnel 54 feet in length, one level 35 feet in length and 31 feet from surface.

National Consolidated Gold Mining and Milling Co., Lexington, Kentucky; organized under the laws of the State of Kentucky, May 8, 1878; capital stock, $750,000, in 7,500 shares $100 each, stock assessable; office Lexington, Kentucky; trustees Samuel Clay, Jr., Nathan Weare, R. W. Hocker and F. H. Brown.

Native Silver. Owned by the Mining Co., of New Jersey; office Caribou; claim 150 by 2000 feet, patented; located 1870; situated on Caribou hill, Grand Island mining district, twenty-three miles from Boulder; course of vein east and west, average width 5½ feet, pitch 5° north, pay vein 2 inches to 3 feet; nature of ore, galena, average value $120 per ton; main shaft 200 feet deep; aggregate length of levels 600 feet; one engine and steam pump; yield $175,000.

Nazarene. James K. Jones, proprietor; office Sunshine; claim 150 by 1500 feet; located 1877; situated in Sunshine gulch, Gold Hill mining district, one mile from Sunshine and seven miles from Boulder; course of vein northeast and southwest, average width 3½ feet, pitch 10° north, pay vein 1 foot; nature of ore, iron pyrites, average value 2 ounces gold per ton; one tunnel 75 feet, and one drift 25 feet in length.

Negaunee. Webster City Gold and Silver Mining Co., proprietors; Ebenezer Rowland, Sup't; office Boulder; claim 150 by 1500 feet; located 1874; situated near Springdale, twelve miles from Boulder; course of vein northeast and southwest, average width 3 feet, pitch 5° north, pay vein 6 inches; nature of ore, gray copper and tellurium, average value $40 per ton; main shaft 125 feet deep, one drift 50 feet in length.

New York. William Davidson, proprietor; office Sunshine; claim 150 by 1500 feet; located 1874; situated in Gold Hill mining district, in town of Sunshine, seven miles from Boulder; course of vein northeast and southwest, average width 13 feet, pitch 15° south, pay vein 3 feet; nature of ore, tellurium, calaverite, sylvanite and free gold; main shaft 80 feet deep, aggregate depth of other shafts 150 feet.

Niawot. William A. Davidson, proprietor; office Valmont; claim 75 by 1500 feet, patented; located 1859; situated on Niawot hill, Ward mining district, eighteen miles from Boulder; course of vein east and west, width 15 feet, pitch 40° north; nature of ore, iron pyrites, gray copper and native silver, average value $125 per cord; main shaft 420 feet deep, aggregate depth of other shafting 300 feet, one level 400 feet in length and 225 from surface; 50-stamp mill in good order; yield to date $600,000.

Nicholls. George W. Gregg and M. Granville Pease, proprietors; office Gold Hill; claim 50 by 1500 feet, patented; located 1868; situated on Hoosier hill, Gold Hill mining district, ten miles from Boulder; vertical vein running north and south, average width 4 feet, pay vein 17 inches; nature of ore, gray copper, assay value $50 per ton; main shaft 63 feet deep; shaft house 12 by 14 feet.

Nil desperandum. Oscar B. Force, James E. and M. Munford, proprietors; office Sunshine; claim 150 by 1500 feet; located 1874; situated in Sunshine gulch, Gold Hill mining district, seven miles from Boulder; course of vein northeast and southwest, average width 6 feet, pitch 5° northwest, pay vein 1 inch to 4 feet; nature of ore, tellurium, sylvanite and free gold, average value $300 per ton; main shaft 140 feet deep, one tunnel 60 feet in length; shaft house 16 by 18 feet; yield $500.

No Name. William Fullerton and R. G. Dun, proprietors; office New York City; claim 50 by 1400 feet, patented; located 1869; situated on Caribou hill, Grand Island mining district, twenty-three miles from Boulder; course of vein northeast and southwest, average width 3 feet, pay vein 3 inches to 3 feet; nature of ore, gray copper, iron and copper pyrites, average value $410 per ton; main shaft 530 feet deep, aggregate length of levels 970 feet; shaft house 30 by 46 feet, one engine 25-horse power; yield $300,000.

North. Owned by C. A. Stewart, H. Fullan and Thomas Shires; office Magnolia; claim 150 by 1500 feet; located 1875; situated on Magnolia hill, Magnolia mining district, eight miles from Boulder; vertical vein trending east and west, width 3 feet, pay vein 12 inches; nature of ore, tellurium, average value $50 per ton; one shaft 50 feet deep, one tunnel 25 feet in length.

Northwestern. Wm. J. Mann, proprietor; office Caribou; claim 150 by 1400 feet; located 1871; situated in town of Caribou, Grand Island mining district, twenty-three miles from Boulder; vertical vein trending northeast and southwest, width 3 to 7 feet, pay vein 4 inches to 2 feet; nature of ore, galena, brittle silver and sulphurets, average value $250 per ton; one shaft 100 feet deep.

Osceola. Owned by William G. Shedd, N. S. Culver, C. C. Bradbury, F. L. Martin and L. H. Bartlett; office Sunshine; claim 150 by 1500 feet, patented; located 1874; situated in town of Sunshine, Gold Hill mining district, seven miles from Boulder; course of vein northeast and southwest, width 5 feet, pay vein 8 to 20 inches; nature of ore, tellurium, sylvanite and free gold; value $200 per ton; main shaft 105 feet deep, aggregate length of levels 125 feet; shaft house 16 by 18 feet.

Ogallalah. Owned by John C. Henry, Major Orris Blake, R. H. Whitely and Edward S. Walker; office Boulder; claim 75 by 1100 feet; located 1861; situated on Four-mile creek, Sugar Loaf mining district, one mile from town of Delphia and ten miles from Boulder; course of vein northeast and southwest; average width 5 feet, pitch 10° northwest, pay vein 3 feet; nature of ore, galena, gray copper and zinc blende; average value of first-class ore 400 ounces and second-class 36 ounces silver per ton; one tunnel 425 feet in length; in which there is a shaft 50 feet deep, one level 45 feet in length; two-story ore house 20 by 30 feet.

Ogallalah Mining Co., incorporated March 22, 1876; capital stock $250,000, in 5,000 shares, $50 each; office Boulder; organized by Henry and John C. Blake, Edward S. Walker and Frances E. Ames.

Ohio-Colorado Reduction and Mining Co., incorporated January 6, 1875; capital stock $150,000, in 150 shares, $1,000 each; office Salina, Colorado; organized by J. F. Saunders, Aaron Ferneon, S. M. and Elijah G. Penn.

Oro Cash. Owned by George H. Batchelder and F. A. Squires, of Boulder; claim 150 by 1500 feet, patented; located 1868; situated on Gold Hill, Gold Hill mining district, ten miles from Boulder; vertical vein running northeast and southwest; average width 4 feet; nature of ore, tellurium and free gold; average value $125 per cord; main shaft 150 feet deep, one level 150 feet in length and 150 feet from surface; yield $20,000.

Ozark Tunnel Mining Property. Owned by D. Mortimore, M. D., of Denver; comprises six lodes, or mineral veins, 150 by 1500 feet each, a tunnel site 1500 by 2310 feet, and a mill site containing 5 acres of ground, on which is erected a good dwelling house. This property was located in 1874, and is situated in Gold Hill mining district, in the center of the tellurium ore belt, between the mines of Gold Hill and Salina, being one mile and a half from each place, and six miles from the city of Boulder, Colorado. It is surrounded by the most prominent mines in the State, and may well be considered one of the largest mining estates, owned in one body. The owner, who is largely interested in other mines, considers this property the most valuable in the State.

Palatine. Horace Wolcott, proprietor; office Left Hand; claim 150 by 1500 feet; located 1876; situated on Gold Hill, Gold Hill mining district, ten miles from Boulder; vertical vein running northeast and southwest, width 3 feet, pay vein 15 inches; nature of ore, galena and iron pyrites; average value $35 per ton; one shaft 22 feet deep.

Parallel. C. B. Farwell & Co., proprietors; office Gold Hill; claim 50 by 1450 feet, patented; located 1873; situated in Gold Hill mining district, ten miles from Boulder; course of vein northeast and southwest; width 4½ feet, pitch 25° north, pay vein 15 inches; nature of ore, galena and iron pyrites; average value $75 per ton; main shaft 75 feet deep.

Parstele. Victor Roux, proprietor; office Boulder; claim 150 by 1500 feet; located 1872; situated in Sunbeam gulch, Sugar Loaf mining district, one mile from town of Salina and eight miles from Boulder; vertical vein running east and west; width 5 feet, pay vein 12 inches; nature of ore, tellurium; average value $50 per ton; main shaft 20 feet deep, one tunnel 57 feet in length.

Pay-master. Owned by Benjamin F. Smith and Frederick Wilkins; office Golden; claim 150 by 1500 feet; located 1875; situated in Sugar Loaf mining district, near town of Crisman, seven miles from Boulder; vertical vein running east and west; average width 5 feet, pay vein 12 to 15 inches; nature of ore, tellurium; average value $121 per ton; one adit 80 feet in length.

Pay-master. Henry A. Barrows and William A. Meralls, proprietors; office Sunshine; claim 150 by 1500 feet; located 1874; situated near town of Sunshine, Gold Hill mining district, six miles from Boulder; course of vein northeast and southwest; width 5 feet, pay vein 30 inches, pitch 30° west; nature of ore, tellurium, sylvanite, petzite and free gold; average value $278 per ton; main shaft 80 feet deep; yield $1,000.

Perrigo. Samuel Mishler & Co., proprietors; office Central City; claim 150 by 1500 feet; located 1864; situated on Caribou hill, Grand Island mining district, twenty-three miles from Boulder; vertical vein trending southeast and northwest; width 4 feet; pay vein 18 inches; nature of ore, iron and copper pyrites; average value $75 per ton; one shaft 60 feet deep, shaft house 12 by 20 feet.

Phil Sheridan. Owned by the Phil Sheridan and Gillaspie Consolidated Mining Co., incorporated October 9, 1875; capital stock $250,000 in 2,500 shares, $10 each; office Denver; claim 150 by 1400 feet; situated in town of Sunshine, Gold Hill mining district, seven miles from Boulder; course of vein east and west, width 4 feet, pay vein 4 to 6 inches; nature of ore, tellurium and free gold; average value $250 per ton; main shaft 100 feet deep; shaft house 17 by 24 feet.

Point of Rocks Mining, Milling and Tunneling Co., incorporated October 21, 1875; capital stock $250,000, in 2,500 shares, $100 each; office Boulder, Colorado; organized by James L. Wilson, William B. Fowler, William H. Fisher, James H. Decker and William A. Hardenbrook.

Poison. Owned by William Sellers, Robert Brown and D. J. Rollins; office Gold Hill; claim 150 by 1500 feet; located 1875; situated in Gold Hill mining district, ten miles from Boulder; vertical vein running north and south; width 4 feet, pay vein 20 inches; nature of ore, tellurium; assay value $500 per ton; main shaft 30 feet deep.

Pomeroy, M. M. Owned by William Mann, F. C. Albright and E. J. Katzenmayer; office Caribou; claim 50 by 1500 feet; located 1872; situated on Caribou hill, Grand Island mining district, twenty-three miles from Boulder; vertical vein running east and west, width 3 to 5 feet, pay vein 5 to 18 inches; nature of ore, galena and sulphurets; average value $80 per ton; main shaft 40 feet deep.

Poor Man. Owned by Neil D. McKenzie, G. I. and W. R. Stebbins, E. J. Binford and Mrs. A. Arnold; office Caribou; claim 150 by 1400 feet, patented; located 1869; situated in town of Caribou, Grand Island mining district, twenty miles from Boulder; course of vein, east and west, width 3 feet, pay vein 18 inches; nature of ore, native silver and sulphurets; value $160 per ton; main shaft 220 feet deep, three levels, aggregate length 550 feet; shaft house 30 by 60 feet; yield $35,000.

Poor Man. Owned by Moses Hallett and John S. Reid; office Boulder; claim 150 by 1500 feet; located 1876; situated in town of Magnolia, Magnolia mining district, eight miles from Boulder; course of vein northeast and southwest, average width 6 feet, pay vein 3 inches, pitch 5° south; nature of ore, tellurium; value $2,750 per ton; main shaft 125 feet deep, one level 40 feet in length and 65 feet from surface.

Potosi. Owned by Wyke & Ellison and William Davidson; office Sunshine; claim 150 by 1500 feet; located 1874; situated in Gold Hill mining district, half mile from town of Sunshine and six miles from Boulder; vertical vein running northeast and southwest, width 4 feet; nature of ore, tellurium and petzite; main shaft 60 feet deep.

Potosi Silver Mining Co., incorporated June 18, 1877; capital stock $600,000 in 60,000 shares $10 each; offices Denver, Colorado, and Alexandria, Virginia; organized by Charles C. Tompkins, T. B. Wilson, W. H. Marbury, B. F. Nalle, F. T. Hawkes, Orville L. Grant, Peyton Randolph, L. Wilbur Reid and B. Thompkins.

Prescott. Granville M. Button and John Miner, proprietors; office Boulder; claim 150 by 1500 feet; located 1877; situated on James creek, two miles from Jamestown and sixteen miles from Boulder; vertical vein trending northeast and southwest, width 3 feet, pay vein 18 inches; nature of ore, tellurium, value $85 per ton; main shaft 25 ft. deep; yield $1,000.

Pride of the Mountain. Thomas Danford & Co., proprietors; office Boulder; claim 150 by 1500 feet, patented; located 1875; situated on Four-mile creek, three miles from Boulder; course of vein east and west, width 7 feet, pay vein 5 inches, pitch 15° north; nature of ore, tellurium, value $60 per ton; one shaft 30 feet deep, one adit 50 feet in length.

Rambler. Owned by John and James J. Miller, Thos. F. Hendershot and George Kountz; office Jamestown; claim 150 by 1500 feet; located 1878; situated on Golden Age hill, Central mining district, two miles from town of Springdale and ten miles from Boulder; course of vein northeast and southwest, width 18 feet, pitch 18° south, pay vein 14 inches; nature of ore, tellurium; main shaft 40 feet deep.

Rapid Rhone. James D. Smith, William A. and Charles J. Christian, proprietors; office Denver; claim 150 by 1500 feet; located 1877; situated in Central gulch, two miles from Balarat and fifteen miles from Boulder; course of vein east and west, average width 4 feet, pitch 25° south, pay vein 12 inches; nature of ore, free gold; main shaft 30 feet deep.

Ready Cash. Owned by C. Eschler, John Flykiger and John Kesler; office Caribou; claim 150 by 1400 feet; located 1870; situated on Idaho hill, Grand Island mining district, twenty miles from Boulder; course of vein east and west, width 4 feet, pay vein 5 inches; nature of ore, iron pyrites and carbonate of copper, assay value $244 per ton; one shaft 70 feet deep, one level 20 feet in length; shaft house 14 by 16 feet.

Ready Cash. Owned by Emory C. Nutt, A. H. McClure, J. N. Davis and W. W. Burch, of Sunshine; claim 150 by 625 feet; located 1876; situated, head of Sunshine gulch, Gold Hill mining district, near town of Sunshine, seven miles from Boulder; course of vein northeast and southwest, average width 10 feet, pitch 10° north, pay vein 14 inches; nature of ore, tellurium, sylvanite and free gold, average value $50 per ton; main shaft 60 feet deep, one tunnel 40 feet in length.

Ready Cash. Owned by James H. and James W. Robinson; office Gold Hill; claim 150 by 1500 feet; located 1875; situated in Gold Hill mining district, ten miles from Boulder; vertical vein running northeast and southwest, average width 4 feet, pay vein 18 inches; nature of ore, tellurium,

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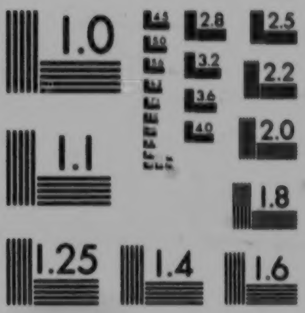
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MICROCOPY RESOLUTION TEST CHART
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assay value $800 per ton; main shaft 30 feet deep, one adit 30 feet in length.

Ready Cash. Owned by Silas T. Tumbleson; office Gold Hill; claim 150 by 1500 feet; located 1878; situated on Bonanza hill, Central mining district, three and one-half miles from town of Gold Hill and thirteen miles from Boulder; course of vein north west and southeast, average width 6 feet, pitch 20° east, pay vein 2 feet; nature of ore, free gold, average value $120 per cord; main shaft 10 feet deep.

Rebecca. Henry C. Thompson, Wm. T. and Jos. M. Grout, proprietors; office Boulder; claim 150 by 1500 feet, located 1875; situated in town of Magnolia, Magnolia mining district, seven miles from Boulder; course of vein southeast and northwest, average width 3½ feet, pitch 10° north, pay vein 18 to 20 inches; nature of ore, tellurium; average value of first-class ore $300 per ton, second-class ore 5 ounces gold per cord; main shaft 150 feet and one other 80 feet deep, two levels, aggregate length 83 feet; shaft house 10 by 36 feet, and one engine 20-horse power; yield $2,000.

Red Cloud. Cyrus Strong and John J. Riethmann, proprietors; office Denver; claim 50 by 1400 feet, patented; located 1872; situated on the west slope of Gold Hill, ten miles from Boulder; course of vein northeast and southwest; average width 3 feet, pitch 10°, northwest, pay vein 6 inches; nature of ore, tellurium; average value $750 per ton; main shaft 400 feet, and one other shaft 100 feet deep, one tunnel 225 feet in length, and 100 feet from surface, aggregate length of levels 1000 feet; yield $60,000.

Red Cloud, No. 2. John W. Corser, proprietor; office Gold Hill; claim 150 by 1500 feet, located 1875; situated on Gold Hill, twelve miles from Boulder; course of vein, northeast and southwest, average width 6 feet, pitch 25° north, pay vein 2½ feet; nature of ore, free gold, assay value $250 per ton; main shaft 24 feet deep.

Ringgold. Owned by George Reemer, D. H. Sayler, Harry Carter, John Pierce and G. F. Mayer; office Salina; claim 150 by 1500 feet, located 1875; situated on Hoosier hill, Gold Hill mining district, eight miles from Boulder; course of vein north and south, average width 30 inches, pitch 25° west, pay vein 1 to 20 inches; nature of ore, tellurium; average value $50 per ton; main shaft 115 feet deep, aggregate length of levels 70 feet, being 90 feet from surface, shaft house 16 by 20 feet.

Rip Van Dam. Fred L. Higbee, C. F. Pease and Britton A. Hill, proprietors; office Springdale; claim 150 by 1500 feet; located 1875; situated in Castle gulch, near town of Springdale, twelve miles from Boulder; course of vein northeast and southwest, average width 20 feet, pitch 20° southeast, pay vein 6 inches to 3 feet; nature of ore, tellurium and free gold; one shaft 50 feet deep, one level 40 feet in length.

Rocky Mountain Gold and Silver Mining Co., incorporated January 20, 1876; capital stock $100,000, in 1,000 shares, $100 each; office Boulder; organized by M. A. Lathrop, H. M. Spalding and James P. Maxwell.

Rocky Mountain Mammoth. Owned by Caleb S. Stowell, A. J. Emrick, H. Summers and G. N. Eaton; office Magnolia; claim 150 by 1500 feet, located 1876; situated on Magnolia hill, eight miles from Boulder; course of vein east and west, width 5 feet; pay vein 20 inches, pitch 20° south; nature of ore, tellurium and silver glance; value $105 per ton; one shaft 50 feet deep.

Rocky Mountain Mining and Reduction Co., incorporated May 29, 1877; capital stock $1,000,000, in 100,000 shares, $10 each; office Denver; trustees, Matthew D. Brett, Robert Connely, John M. Lord, William F. Shanks and George W. Parker.

Romance. Cyrus Taylor, proprietor; office Jamestown; claim 150 by 1500 feet; located 1877; situated in Central mining district, two miles from town of Springdale and fourteen miles from Boulder; course of vein northeast and southwest, average width 3 feet, pitch 25° south, pay vein 18 inches; nature of ore, galena, iron and copper pyrites; one tunnel 18 feet in length.

Rough Ridge. Clifford E. Sherwood and Charles P. Slade, proprietors; office Gold Hill; claim 150 by 1500 feet; located 1865; situated on Big Horn mountain, Gold Hill mining district, ten miles from Boulder; course of vein northeast and southwest; average width 2½ feet, pitch south, pay vein 2 inches; nature of ore, tellurium; assay value $150 per ton; one shaft 20 feet deep

Royal Mining Co., incorporated December 18, 1872; capital stock $500,000, in 5,000 shares, $100 each; office Boulder; organized by Edwin N. Beach, Stephen Green and Nathaniel Hayden.

Sac and Fox. Owned by John May and Mrs. William Millspaugh; office Cincinnati, Ohio; claim 150 by 1500 feet; located 1875; situated at Jackson's camp, near town of Magnolia, eight miles from Boulder; course of vein east and west, width 2 feet, pay vein 3 [illegible] inches, pitch 5° north, nature of ore, tellurium; value $300 per ton; one shaft 50 feet deep, one tunnel 45 feet in length.

Salina Consolidated Mining Co., incorporated December 7, 1875; capital stock $200,000, in 20,000 shares, $10 each; office Denver; organized by E. W. Pierce; J. H. Ralston and Peter Winne.

Salina Mining and Milling Co., incorporated December 27, 1875; capital stock $60,000, in 6,000 shares, $10 each; office Salina, Boulder county, Colorado; organized by Jacob Eador, John R. Stearns and Lamartine Alderman.

San Antonio. Owned by Rufus Linderman, J. E. Rice, James and Alexander Gilmore; office Sunshine; claim 150 by 1500 feet; located 1875; situated near town of Sunshine, eight miles from Boulder; course of vein northeast and southwest, width 5 feet, pay vein 12 inches, pitch 5° south; nature of ore, tellurium and galena; value $100 per ton; one tunnel 160 feet in length, from which a shaft is sunk 75 feet deep.

Santa Fe. Owned by Ebenezer Rowland, George Davy, Alexander McCall and George Thomas; office Boulder; claim 150 by 1500 feet; located 1873; situated on Gold Hill, two miles from town of Gold Hill and eleven miles from Boulder; course of vein northeast and southwest, average width 4 feet, pitch 5° north, pay vein 24 inches; nature of ore, tellurium, free gold and sulphurets; average value $40 per ton; one shaft 30 feet deep, one drift 80 feet in length.

Santa La Saria Mining Co., Colorado, incorporated January 25, 1877; capital stock $3,000,000, in 300,000 shares, $10 each; Albro L. Parsons, president, Curtis R. Parsons, vice-president, Charles W. Ellis, secretary, D. Mortimore, M. D., assistant secretary and superintendent; offices Denver, Colorado, and 40 Broad street, New York. This property comprises 6 lodes, or mineral veins, 150 by 1500 feet each; tunnel site 1500 by 3000 feet, four mill sites, containing 5 acres of ground each; dwelling and boarding houses, blacksmith shop, ore house and stable; situated on White Cloud mountain, Grand Island mining district, two and a half miles from Nederland and fifteen miles from Boulder. The North Boulder creek runs through this property, affording an ample water power for milling and other purposes.

Savannah. A. J. Mackey and James A. Carr, proprietors; office Boulder; claim 150 by 1500 feet, patented; located 1859; situated head of Dock's gulch, near town of Gold Hill, twelve miles from Boulder; course of vein northeast and southwest, average width 4 feet, pitch northwest, pay vein 12 inches; nature of ore, tellurium; average value $100 per ton; main shaft 50 feet deep; yield $10,000.

Scott. George W. Day and William Iliff, proprietors; office Denver; claim 75 by 100 feet; located 1876; situated on Four-mile creek, Sugar Loaf mining district, ten miles from Boulder; course of vein northeast and southwest, width 3 feet, pay vein 18 inches; nature of ore, gray copper and iron pyrites; value $65 per ton; one shaft 40 feet deep, one tunnel 130 feet in length.

Scott. Owned by Jared Wood, J. T. Clark and S. McBarnes; office Gold Hill, claim 150 by 1200 feet; located 1877; situated in Gold Hill mining district, ten miles from Boulder; course of vein northeast and southwest; average width 4 feet, pitch 10° south, pay vein 8 inches; nature of ore, free gold; assay value $35 per ton; one shaft 10 feet deep.

Segengottes. Owned by H. J. Van Wetering and P. H. Van Deist, of Sunshine; claim 150 by 650 feet; located 1876; situated in Gold Hill mining district, within the limits of Sunshine, seven miles from Boulder; course of vein northeast and southwest, average width 4 feet, pitch 10° south; pay vein 10 inches; nature of ore, tellurium, average value $60 per ton; main shaft 12 feet deep.

Seven-Thirty. Owned by Samuel Moore, Perry Brewer, E. A. Hupper and Berger Bros.; office Caribou; claim 150 by 3000 feet, patented; located 1870; situated on Caribou hill, Grand Island mining district, twenty-three miles from Boulder; course of vein east and west, average width 3 feet, pitch 10° north, pay vein 1 to 22 inches; nature of ore, silver glance and sulphurets, average value $143 per ton; main shaft 185 feet, and one other shaft 40 feet deep; aggregate length of levels 295 feet;

shaft house 28 by 50 feet, containing a 20-horse power engine; yield $25,000.

Sherman. Situated near town of Caribou, Grand Island mining district, twenty-two miles from Boulder; the main shaft is sunk 45 feet below the level of the Caribou tunnel, which intersects the vein at the depth of 210 feet; value of ore, 60 ounces silver per ton.

Shields. B. F. Smith, proprietor; office Golden; claim 150 by 1500 feet; located 1878; situated in Sunbeam gulch, Sugar Loaf mining district, eight miles from Boulder; vertical vein running northeast and southwest, average width 3 feet, pay vein 3 to 8 inches; nature of ore, copper pyrites, average value $100 per ton; one adit 60 feet in length.

Silver Cloud Mining Co., incorporated December 6, 1875; capital stock $30,000 in 300 shares $100 each; office North Boulder, Grand Island mining district; organized by Charles T. Naylor, John Collier and Charles H. Conklin.

Silverdale. O. H. Harker, Geo. J. Foster and Robert D. Kenney, proprietors; office Boulder; claim 150 by 1500 feet; located 1874; situated north side of Four Mile cañon, near town of Sunshine, six miles from Boulder; course of vein northeast and southwest, average width 2 feet, pitch 10° northwest, pay vein 1 to 6 inches; nature of ore, tellurium, average value $300 per ton; main shaft 60 feet deep, one level 20 feet in length; yield $1,500.

Silver Point. Thomas J. Graham and William E. Beck, proprietors; office Boulder; claim 50 by 1500 feet, patented; located 1872; situated on Idaho hill, Grand Island mining district, near town of Caribou, twenty miles from Boulder; course of vein east and west, average width 5 feet, pitch 5° north, pay vein 6 to 20 inches; nature of ore, gray copper, galena and brittle silver, average value $125 per ton; main shaft 100 feet deep; three levels, aggregate length 100 feet; yield $6,000.

Silver Point. Owned by H. J. Van Wetering and P. H. Van Deist, of Sunshine; claim 150 by 1500 feet; located 1874; situated in Gold Hill mining district, near town of Sunshine, seven miles from Boulder; vertical vein running northeast and southwest, average width 4 feet, pay vein 6 inches; nature of ore, tellurium, average value $50 per ton; main shaft 55 feet deep.

Sivyer Placer Claim. Owned by George J. Sivyer & Co., of Boulder; claim comprises 160 acres of ground; situated on Four-mile creek, Ward mining district, fourteen miles from Boulder.

Slide. Owned by the American Consolidated Gold and Silver Mining Co., of Connecticut; J. Alden Smith, Sup't; claim 150 by 1500 feet; located 1876; situated on Gold hill, two and one-half miles from Sunshine and eight miles from Boulder; vertical vein running northeast and southwest, average width 4 feet, pay vein 18 inches; nature of ore, tellurium, petzite, calaverite, altaite and free gold, average value of first-class ore $2,500, second-class ore $500, and third-class ore $150 per ton; main shaft 250 feet deep; four levels, aggregating 650 feet in length; shaft house 30 by 40 feet.

Smith, B. F. Owned by William G. Pell, Capt. Ebenezer Rowland and Charles Van Fleet; office Boulder; claim 150 by 1500 feet; located 1876; situated on Golden Age hill, Elkhorn mining district, two and one-half miles from Jamestown and fourteen miles from Boulder; course of vein northeast and southwest, average width 2 to 4 feet, pitch 25° north, pay vein 4 to 16 inches; nature of ore, free gold, average value 10 ounces gold per cord; main shaft 100 feet deep.

Smuggler. Owned by Silas S. Kennedy, Benjamin H. Eaton, William H. Lessig, Jacob Hawke and William A. Christian; office Balarat; claim 150 by 1500 feet, patented; located 1876; situated in town of Balarat, Central mining district, seventeen miles from Boulder; course of vein, north 2° west; average width 6 feet, pitch 15° east, pay vein 8 inches; nature of ore, tellurium and sylvanite; average value $300 per ton; main shaft 180 feet and two other shafts 135 feet each, three tunnels, 65, 110 and 75 feet from surface respectively, aggregating 375 feet in length, three levels, 65, 130 and 170 feet from surface respectively, aggregating 1037 feet in length; 20-stamp concentration mill with a capacity for treating 14 tons of ore in 24 hours; 20-horse power engine, two ore houses and two store and boarding houses; yield to date $100,000.

South Caribou Tunneling and Mining Co., incorporated August 31, 1874; capital stock $5,000,000, in 50,000 shares, $100 each; office Denver; organized by S. P. Conger, D. C. Stover; Jerry N. Hill and C. C. Alvord.

Sovereign People. Owned by Ulysses Pugh and William Woods; office Caribou; claim 150 by 1400 feet, patented; located 1869; situated on Caribou hill, Grand Island mining district, twenty-three miles from Boulder; course of vein, east and west; width 5 feet, pay vein 18 inches, pitch 10° north; nature of ore, iron and copper pyrites; value $300 per ton; two shafts, aggregate depth 172 feet; yield to date $10,000.

Spencer. Owned by William Donald, Joseph Shaw and L. K. Smith; office Caribou; claim 50 by 1400 feet, patented; located 1870; situated on Caribou hill, Grand Island mining district, twenty-three miles from Boulder; course of vein northeast and southwest, width 3 feet, pay vein 1 to 18 inches, pitch 10° northwest; nature of ore, sulphurets and carbonate of copper; one shaft 116 feet; one level 100 feet in length; yield to date $10,000.

Spurgeon, west extension of John Jay. Owned by Enoch K. Baxter and Seth B. Bowker, M. D.; office Sunshine; claim 150 by 1500 feet; situated in Central mining district, four miles from Jamestown and fourteen miles from Boulder; course of vein northeast and southwest, average width 2½ feet, pitch 15° northeast, pay vein 8 inches; nature of ore, tellurium; average value $150 per ton; one shaft 10 feet deep, one tunnel 100 feet in length.

Standard. John G. Evans and E. M. Tarvin, proprietors; office Springdale; claim 150 by 1500 feet; located 1877; situated in Elkhorn gulch, Central mining district, one mile from town of Springdale and twelve miles from Boulder; course of vein northeast and southwest; average width 6 feet, pitch 35° west, pay vein 36 inches; nature of ore, iron and copper pyrites and free gold; average value $360 per cord; main shaft 75 feet; and one other shaft 20 feet deep.

Standard. Owned by Mrs. J. B. Shaw and Harry C. Crary; office Gold Hill; claim 50 by 1500 feet; located 1873; situated in Gold Hill mining district, ten miles from Boulder; vertical vein running northeast and southwest, average width 4 feet, pay vein 10 inches; nature of ore, tellurium and free gold; average value $250 per ton; main shaft 45 feet deep.

Sterling. Sterling Mining Co., proprietors; offices Gold Hill, Colorado, and Philadelphia, Penn.; claim 150 by 1500 feet; located 1874; situated on Gold Hill, Gold Hill mining district, ten miles from Boulder; course of vein, northeast and southwest, average width 3½ feet, pitch 10° north, pay vein 8 inches; nature of ore, tellurium, average value $345 per ton; main shaft 80 feet deep, one tunnel 75 feet, and one level 25 feet in length.

St. Joe. Owned by James B. Gould, J. M. Carnahan and Geo. W. Chambers; office Gold Hill; claim 150 by 1500 feet, located 1875; situated on Gold Hill, Gold Hill mining district, ten miles from Boulder; course of vein northeast and southwest, average width 3 feet, pitch 10° northwest, pay vein 10 inches; nature of ore, tellurium; average value $400 per ton; main shaft 100 feet deep, two levels, 60 and 70 feet from surface respectively, aggregating 155 feet in length; shaft house 20 by 32 feet; total yield $10,000.

Stone. Owned by George W. Grigg and M. Granville Pease; office Gold Hill; claim 150 by 1500 feet; located 1876; situated on Hoosier hill, Gold Hill mining district, ten miles from Boulder; course of vein northeast and southwest, average width 12 feet, pitch 10°, pay vein 2½ feet; nature of ore, gray copper, assay value $90 per ton; main shaft 30 feet deep.

Stonewall Jackson. Ferdinand C. Albright, proprietor; office Caribou; claim 150 by 1500 feet; located 1870; situated on Pomeroy mountain, Grand Island mining district, one mile from Caribou and twenty-three miles from Boulder; course of vein east and west, average width 6 feet, pay vein 3 inches, pitch 5° north; nature of ore, galena and carbonates of copper, average value $375 per ton; one shaft 80 feet deep.

St. Paul. Owned by Isaac Bedal, C. Van Kuren and William Collier; office Sunshine; claim 150 by 1500 feet; located 1875; situated on Grand View hill, Gold Hill mining district, eight miles from Boulder; vertical vein running northeast and southwest, average width 3 feet, pay vein 6 inches; nature of ore, tellurium, assay value $1,700 per ton; main shaft 50 feet deep.

St. Vrain Mining Co., incorporated January 8, 1877; capital stock $500,000 in 20,000 shares $25 each; office Boulder; organized by Samuel P. Ely, W. E. Westbrook, Edward B. Gay and Charles G. Van Fleet.

Sugar Loaf Mining Co., incorporated March 28, 1878; capital stock $300,000 in 30,000 shares $10 each; offices Boulder, Colorado, and New York City; organized by Thomas B. Read, Benjamin G. Bloss, Nathan W. Riker, George C. Ames and Charles N. Morgan.

Sugar Loaf and Anchor. Owned by W. W. Sleight, of Denver; claim 150 by 1500 feet; located 1874; situated in Sugar Loaf mining district, ten miles from Boulder; course of vein northeast and southwest, average width 3 feet, pitch 25° northwest, pay vein 6 inches; nature of ore, tellurium, average value $40 per ton; main shaft 85 feet deep, one level 15 feet in length; shaft house 30 by 46 feet.

Sultana. Owned by Jacob Hummel and Samuel Baeder; office Boulder; claim 150 by 1500 feet, located 1875; situated in Silver City gulch, Gold Hill mining district, near town of Salina, nine miles from Boulder; course of vein northeast and southwest, average width 4 feet, pitch north, pay vein 2 inches; nature of ore, tellurium, average value $2,000 per ton; main shaft 40 feet deep, one tunnel 85 feet in length and 200 feet from surface.

Sunshine. Thos. Danford, proprietor; office Boulder; claim 150 by 2200 feet, patented; located 1873; situated in town of Sunshine, Gold Hill mining district, six miles from Boulder; course of vein northeast and southwest, width 5 feet, pay vein 1 to 4 inches, pitch 15° northwest; nature of ore, tellurium, average value $160 per ton; one shaft 130 feet deep, one adit 50 feet in length.

Swansea Coal and Iron Mining Co., incorporated February 15, 1872; capital stock $589,875 in 7,865 shares $75 each; office Denver; organized by Charles B. Kountze, John Harper, A. Davidson, Charles C. Welch, Jonathan S. Smith, Low P. Cook and William B. Berger.

Sylvan. Owned by Mary G. Arnett, Sylvester Hill and Daniel Flynn; office Boulder; claim 150 by 1500 feet; located 1872; situated on Four-mile creek, Gold Hill mining district, one mile from town of Salina and ten miles from Boulder; vertical vein running northeast and southwest, average width 4 feet, pay vein 10 inches; nature of ore, tellurium, average value $35 per ton; main shaft 33 feet and one other shaft 22 feet deep, one tunnel 40 feet in length.

Tellurium Crown Mining Co., incorporated August 14, 1876; capital stock $600,000 in 60,000 shares $10 each; office Denver; organized by Jean B. Rouilliard, W. H. J. Nichols, Leonard Cutshaw, Edgar Tawdey and Stephen Lashuer.

Tellurium Tunnel Mining Co., Hal. Sayer, Sup't; claim 1500 by 3000 feet; located 1876; situated at the base of Sunshine hill, Gold Hill mining district, eight miles from Boulder; length of tunnel 238 feet.

Tenbroek. James D. Smith, William A. and Charles J. Christian, proprietors; office Denver; claim 150 by 1500 feet; located 1877; situated in Central gulch, two miles from Balarat and fifteen miles from Boulder; vertical vein running east and west, average width 4 feet; nature of ore, sulphurets, average value 80 ounces silver per ton; main shaft 17 feet deep.

Ten-Forty. Situated on Caribou hill, Grand Island mining district, twenty-two miles from Boulder; developed by a shaft 100 feet deep.

Three Brothers. Owned by Henry Carter, John Pierce and others; office Salina; claim 150 by 1500 feet; located 1876; situated on Melvina hill, Gold Hill mining district, eight miles from Boulder; course of vein north and south, average width 1 foot, pitch 20° west, pay vein 1 inch to 1 foot; nature of ore, tellurium, assay value $150 to $5,000 per ton; one tunnel 80 feet in length.

Tilden. Owned by John Williams, George Newcomb and John Campbell; office Gold Hill; claim 150 by 1400 feet; located 1877; situated near town of Gold Hill, Gold Hill mining district, twelve miles from Boulder; course of vein northeast and southwest, width 1 foot; nature of ore, iron pyrites; main shaft 40 feet deep.

Trade Dollar. Owned by the Trade Dollar Silver Mining Co., of Colorado; incorporated under the laws of the State of New York January 25, 1875; capital stock $500,000 in 5,000 shares $100 each; offices New York City and Caribou, Colorado; organized by R. Ogden Doremus, George K. Listance, Christopher Miller, Leonard S. Root and B. S. Budd; claim 500 by 5000 feet, patented; situated on Caribou hill, Grand Island mining district, twenty-three miles from Boulder.

Triune. Owned by Joseph Airy, George L. Aggers, B. E. Hale and Henry Meyring; office Denver; claim 150 by 1500 feet, patented; located 1875; situated on Gold Run, Gold Hill mining district, eight miles from Boulder; course of vein northeast and southwest, average width 12 feet, pitch 5° south, pay vein 1 to 2 feet; nature of ore, free gold and tellurium, average value $500 per ton; main shaft 80 feet deep, one level 55 feet in length; total yield $1,000.

Trojan. Situated in Grand Island mining district, near town of Caribou, twenty-two miles from Boulder; developed by two shafts, 60 and 130 feet deep respectively.

Tryon Mining and Concentrating Co., incorporated October 4, 1875; capital stock $20,000 in 800 shares $25 each; office Hunt's mill, Boulder county, Colorado; organized by Thomas P. Gallup, William A. Hardenbrook and Radcliffe B. Lockwood.

Turner Tunnel Mining and Milling Co., incorporated under the laws of the State of Kentucky, November 14, 1877; capital stock $275,000 in 2,750 shares $100 each; B. F. Farrar, Pres't, S. L. Shivel, Sect'y, William H. Cassel, Treas., Prof. Harry Turner, Sup't; offices Boulder, Colorado, and Lexington, Kentucky; claim 1500 by 3000 feet; located 1877; situated at the head of Weare gulch, Grand Island mining district, two miles from Caribou and Nederland and twenty miles from Boulder; the course of the tunnel is south 21° 10 min. west, is now 175 feet in length, and was designed to intersect 7 lodes or mineral veins-

Twinn. Owned by H. C. and E. P. Thompson, H. H. Tuttle and C. J. Spalding; office Boulder; claim 150 by 1500 feet; located 1877;

situated at Camp Rebecca, Magnolia mining district, eight miles from Boulder; course of vein east and west, pitch 5° north, width 15 feet, pay vein 8 to 10 inches; nature of ore, tellurium, average value $50 per ton; main shaft 30 feet deep.

Union. Owned by Angelo Ruvero, of Salina; claim 150 by 1500 feet, located 1877; situated in Ringgold gulch, Sugar Loaf mining district, two miles from Salina and eleven miles from Boulder; course of vein northeast and southwest, average width 3 feet, pitch south, pay vein 18 inches; nature of ore, galena; average value $125 per ton; one tunnel 59 feet in length.

Union. Owned by Dr. N. S. Culver, of Colorado Springs; claim 150 by 1500 feet, located 1875; situated in Gold Hill mining district, near town of Sunshine, seven miles from Boulder; course of vein east and west, average width 3 feet, pitch 5° north, pay vein 5 inches; nature of ore, tellurium; main shaft 35 feet deep.

Union. Owned by Samuel Baeder and Robert McKee, of Boulder; claim 150 by 1500 feet, located 1877; situated on Boulder creek, Grand Island mining district, two miles and a half from town of Salina and twelve miles from Boulder; vertical vein running northeast and southwest, average width 10 feet; pay vein 18 inches; nature of ore, tellurium, average value $84 per ton; main shaft 25 feet deep.

United States Mint. Owned by Whipple & Henderson, and George D. Cook; office Left Hand; claim 150 by 1500 feet, located 1876; situated on Gold run, Gold Hill mining district, ten miles from Boulder; course of vein northeast and southwest, width 3 feet, pitch 5° south, pay vein 12 inches; nature of ore, free gold; average value $72 per ton; one tunnel 50 feet in length.

Victor. Owned by Charles E. Buckingham and others; office Boulder; claim 150 by 1500 feet, patented; located 1874; situated in Somerville, Gold Hill mining district, ten miles from Boulder; vertical vein, width 3 feet, pay vein 1 to 10 inches; nature of ore, gray copper and tellurium; average value $250 per ton; main shaft 235 deep; total yield $1,500.

Victoria Mining Co., incorporated September 28, 1875; capital stock $250,000, in 25,000 shares, $10 each; offices Boulder and Denver, Colorado; organized by Edward F. Wallace, Henry Moore, Judson B. Shaw, James W. Robinson, Isaac H. Locke and George H. Batchelder.

Virginia. Owned by Joseph Steppler and Joseph Steppler, Jr.; office Denver; claim 150 by 1500 feet, patented; situated on Big Horn mountain, Gold Hill mining district, near town of Salina, eight miles from Boulder; course of vein, northeast and southwest, width 5 feet, pay vein 15 inches, pitch 35° north; nature of ore, tellurium and free gold; average value $450 per ton; main shaft 50 feet deep.

Wamego. Owned by the Smuggler Mining Co.; claim 150 by 1500 feet, patented; located 1876; situated in Long gulch, Central mining district, seventeen miles from Boulder; vertical vein trending northeast and southwest, width 4 feet, pay vein 2 inches;

nature of ore, tellurium; average value $300 per ton; one tunnel 125 feet in length.

Wandering Jew. Owned by John Verdew, Joseph Begsbee and Frederick C. Bucherdee; claim 150 by 1500 feet; located 1877; situated on Golden Age hill, Central mining district, one mile from Jamestown, and eighteen miles from Boulder; course of vein northeast and southwest, average width 2 feet, pitch 20° southeast, pay vein 2 inches; nature of ore, tellurium and free gold; average value $153 per ton; main shaft 50 feet and one other shaft 10 feet deep.

Ward Mining Company, Mass., incorporated April 20, 1877; capital stock $30,000; organized by Oliver Ames, William A. Hayes, John J. Dixwell, John R. Brewer, and others.

Warsaw. Owned by George Walton, Elmer White and Chas. W. Smith; office Sunshine; claim 150 by 1500 feet; located 1874; situated on Warsaw hill, Gold Hill mining district, one mile from town of Sunshine, and six miles from Boulder; vertical vein running northeast and southwest; average width 4 feet, pay vein 10 inches; nature of ore, tellurium; average value $300 per ton; main shaft 70 feet deep; aggregate length of drifts 380 feet.

Washington. Heber T. and Horace A. Learnard, proprietors; office Rockville; claim 150 by 1500 feet; situated in Rockville, two miles from Sunshine, and ten miles from Boulder; course of vein east and west; average width 5 feet, pitch 5° north, pay vein 6 inches; nature of ore, tellurium and iron, average value $80 per ton; main shaft 25 feet deep.

Washington. Owned by Frank Touser, Anthony Wilde and Lawrence Singer; office Salina; claim 150 by 1500 feet; located 1874; situated on Sunshine hill, Gold Hill mining district, one mile from town of Salina, and eight miles from Boulder; vertical vein running northeast and southwest; average width 5 feet, pay vein 18 inches; nature of ore, tellurium, assay value $14,000 per ton; main shaft 70 feet deep, aggregate depth of other shafts 64 feet; yield $1,000.

Washington Avenue. Owned by the Washington Avenue Silver Mining Co., of Cincinnati; claim 150 by 4500 feet, patented; located 1870; situated in Grand Island mining district, five miles from Nederland, and sixteen miles from Boulder; course of vein north and south; average width 5 feet, pitch 10° west; nature of ore, galena, zinc blende and iron pyrites; average value $100 per ton; main shaft 320 feet, and one other shaft 300 feet deep; shaft house 30 by 80 feet, ore house 26 by 60 feet; concentration mill 44 by 130 feet, with all necessary machinery for the successful treatment of ore; total yield $50,000.

Washington, George. L. J. Butzel and William Howell, proprietors; office Boulder; claim 150 by 1500 feet; located 1876; situated in town of Salina, Sugar Loaf mining district, ten miles from Boulder; vertical vein running north and south; average width 6 feet; pay vein 22 inches; nature of ore, galena and gray copper; average value $175 per ton; one tunnel 85 feet in length.

Washington Irving. Owned by Jacob Ellison, Frederick Eberhardt, John Jordie and Martin Hosang; office Sunshine; claim 150 by 1500 feet; located 1875; situated in Sunshine gulch, Gold Hill mining district, half mile from town of Sunshine, and seven miles from Boulder; vertical vein running northeast and southwest average width 4 feet; pay vein 12 inches, nature of ore, tellurium; average value $400 per ton; main shaft 35 feet deep; one drift 100 feet in length.

Waverly. Jacob Ellison, proprietor; office Boulder; claim 150 by 1500 feet; located 1875; situated on Lee hill, Gold Hill mining district, one mile from Sunshine, and eight miles from Boulder; course of vein, northeast and southwest, average width 3 feet, pitch 20° east; pay vein 1 to 6 inches; nature of ore, tellurium and free gold; average value $75 per ton; main shaft 50 feet deep, one level 30 feet in length.

Webster City. Webster City Gold and Silver Mining Co., Michigan; incorporated 1876; capital stock $500,000, Capt. Ebenezer Rowland, of Boulder, superintendent; claim 150 by 1500 feet; located 1873; situated in Penn. gulch, Sugar Loaf mining district, 5 miles from Gold Hill, and thirteen miles from Boulder; course of vein northeast and southwest, average width 12 feet, pitch 10° north, pay vein 14 inches; nature of ore, iron and copper pyrites, decomposed galena and sulphurets; average value $50 per ton; main shaft 100 feet deep.

Webster City Placer Claim. Owned by the Webster City Gold and Silver Mining Co., of Michigan; Capt. Ebenezer Rowland, superintendent; comprises thirty-five acres of patented ground; situated in Penn. gulch, on Four Mile creek, Sugar Loaf mining district, five miles from Gold Hill and twelve miles from Boulder.

Weist. Owned by the Chicago and Colorado Mining Co.; offices Boulder, Colorado, and Chicago, Illinois; claim 150 by 1500 feet, patented; located 1875; situated on Left Hand creek, Ward mining district, four miles from town of Gold Hill, and sixteen miles from Boulder; course of vein east and west, width 3 feet, pitch 5° north; pay vein 7 inches; nature of ore, iron pyrites, average value $15 per ton; main shaft 40 feet deep; aggregate depth of other shafts 110 feet.

Welcome. Victor Roux, proprietor; office Boulder; claim 150 by 1500 feet; located 1871; situated in Sunbeam gulch, Sugar Loaf mining district, one mile from town of Salina and eight miles from Boulder; vertical vein running east and west; average width 5 feet, pay vein 12 inches; nature of ore, tellurium; average value 54 ounces silver per ton; main shaft 22 feet deep.

Welfare. Wright W. and Horace F. Hall, proprietors; office Left Hand; claim 150 by 1500 feet; located 1876; situated in Long gulch, Gold Hill mining district, ten miles from Boulder; course of vein northeast and southwest; width 6 feet, pay vein 4 feet; nature of ore, galena and gray copper; value $70 per ton; one shaft 50 feet deep; one level 17 feet in length.

Western Slope. Santa La Saria Mining Company, Colorado, proprietors; offices Denver, Colorado and 41 Broad street, New York; claim 150 by 1500 feet; located 1874; situated on White Cloud mountain, Grand Island mining district, two and one-half miles from Nederland and thirteen miles from Boulder; course of vein northeast and southwest; average width 5 feet; pitch 30° south; pay vein 10 inches; nature of ore, gray copper, native silver, and sulphurets of silver; average value 50 ounces silver per ton; will be reached by the Santa La Saria tunnel at a distance of 250 feet from the mouth, and intersected at a depth of 400 feet; one drift 100 feet in length.

White Crow. John Morrison and others, proprietors; office Boulder; claim 150 by 1500 feet; patented; located 1874; situated in Gold Hill mining district, one mile from Sunshine and seven miles from Boulder; nature of ore, tellurium; average value $300 per ton; main shaft 70 feet deep.

White Pilgrim. Black Cloud Gold and Silver Mining Co., proprietors; office Boulder; claim 150 by 1500 feet; situated in McKnight gulch, two miles from Gold Hill and eleven miles from Boulder; course of vein northeast and southwest; average width 2½ feet; pitch 3° south; pay vein 6 inches; nature of ore, iron and copper pyrites, free gold and zinc blende; one drift 20 feet in length; operated through the Black Cloud tunnel.

Wild Boy. Owned by Henry Wood; office Sugar Loaf; claim 150 by 1500 feet; located 1876; situated in Long gulch, Sugar Loaf mining district, eleven miles from Boulder; course of vein northeast and southwest; average width 18 inches; pitch 10° north; pay vein one foot; nature of ore, iron pyrites; assay value $200 per ton; main shaft 15 feet deep.

Winona. Owned by Hatch, Davidson & Co. (Israel B. Hatch, David Davidson and A. D. Dunbar); office Denver; claim 50 by 1342 feet, patented; located 1858; situated on Gold Hill, Gold Hill mining district, eight miles from Boulder; course of vein northeast and southwest; width 5 feet, pay vein 8 to 26 inches; pitch 5° west; nature of ore, tellurium and free gold; average value $150 per ton; main shaft 100 feet deep; other shafting aggregating 400 feet; one drift of 50 feet and a surface opening 100 feet in length; shaft house 14 by 24 feet, containing a 20 horse power engine and hoisting apparatus; this property is situated on the same vein as the well known "Slide Mine," and is reached by the Slide tunnel at a distance of 4500 feet from the mouth, and intersected at a depth of 300 feet; yield to date $25,000.

Winona, Gold Hill Mining Co., incorporated December 13, 1875; capital stock $250,000, in 25,000 shares of $10 each; offices Denver, Gold Hill and Boulder, Colorado; organized by James H. Ralston, Francis H. La Grave, Joseph Steppler and Judson B. Shaw.

Worchester. Samuel Baeder, proprietor; office Boulder; claim 150 by 1500 feet; located 1876; situated in Sunbeam gulch, Sugar Loaf mining district, one mile from town of Salina and eight miles from Boulder; vertical vein running northeast and southwest; average width 14 feet, pay vein 2 inches; nature of ore, tellurium;

average value $84 per ton; main shaft 20 feet deep.

Wren. Andrew J. Beasley & Co., proprietors; office Salina; claim 150 by 1500 feet; located 1875; situated on Melvina hill, Gold Hill mining district, half mile from town of Salina and eight miles from Boulder; course of vein northeast and southwest; average width 14 inches; pitch north; pay vein 6 inches; nature of ore, tellurium; average value $200 per ton; main shaft 185 feet deep; aggregate length of tunnels 150 feet; shaft house 16 by 20 feet.

W. W. Consolidated Mining Co., incorporated December 27, 1875; capital stock $200,000, in 20,000 shares, $10 each; office Denver; organized by J. H. Ralston, Peter Winne and E. W. Pierce.

Xenia. Armstrong, Ankeny & Co., proprietors; offices Jamestown, Colorado, and Xenia, Ohio; claim 150 by 1500 feet; located 1877; situated on Golden Age hill, Central mining district, two and one-half miles from Jamestown, and fourteen miles from Boulder, vertical vein running northeast and southwest; pay vein 8 inches; nature of ore, free gold; value $30 per ton; main shaft 45 feet deep.

Xerxes. Homer H. Smith and Emory C. Nutt, proprietors; office Sunshine; claim 150 by 600 feet; located 1876; situated in town of Sunshine, Gold Hill mining district, seven miles from Boulder; course of vein northeast and southwest; average width 5 feet; nature of ore, tellurium; main shaft 25 feet deep.

Yellow Boy. Owned by Henry Taylor and Albert Bills, of Boulder; claim 150 by 1500 feet, located 1877; situated near Gold Lake, Central mining district, three miles from town of Gold Hill, and fifteen miles from Boulder; vertical vein running east and west; average width 5 feet; pay vein 16 inches; nature of ore, free gold; one shaft 12 feet deep.

Young America, extension of American. Owned by William Davidson, C. C. and David Strock; office Sunshine; claim, 150 by 1500 feet, patented; located 1874; situated in town of Sunshine, Gold Hill mining district, seven miles from Boulder; course of vein northeast and southwest, width 5 feet; pay vein 2 feet; pitch 5° north; nature of ore, tellurium, calaverite, sylvanite and free gold, average value of first class ore, $4,000, second class ore, $250 and third class ore, $100 per ton; main shaft 170 feet deep; one level 82 feet in length.

ORE MILLS.

Atchison Mining Co.'s Mill. Situated at the mouth of Gold Run, eight miles from Boulder; has a capacity for treating ten tons of ore daily; the main building is 50 feet wide by 60 feet in length.

Bates Mill. Owned by Hon. Jerome B. Chaffee, situated on North Boulder creek, Grand Island mining district, three miles from Caribou, and twenty-three miles from Boulder; has a capacity for treating ten tons of ore daily.

Black Cloud Mill. Situated in town of Summerville, one mile from Salina, and eleven miles from Boulder; the main building is 36 feet wide by 102 feet long, and contains a 25-horse power engine, Blake crusher, Cornish rolls, and all other necessary machinery; has a capacity for treating twenty-five tons of ore daily.

Boulder County Mill. Owned by the Boulder County Mining, Tunneling, Milling, Land and Town Co., situated on North Boulder creek, Grand Island mining district, two miles from Nederland, and eighteen miles from Boulder; contains 100 stamps and 40 Frue vaners.

Boulder Sampling and Crushing Works. Owned by the Boston and Colorado Smelting Co., C. G. Duncan, agent; situated corner Pearl and Eighth streets, in the city of Boulder; has a capacity for treating 25 tons of ore daily.

Boyd's Smelting Works. James H. Boyd, proprietor; situated near the limits of the town of Boulder, at the mouth of Boulder cañon; main building is 60 feet wide by 90 feet long, and contains a Blake crusher, Cornish rollers, two turbine water wheels, seventeen and thirty-five inches in diameter, respectively, blast and separating furnaces and apparatus; has a smelting capacity for treating fifteen tons of ore in twenty-four hours, and a crushing capacity of twenty-five tons daily.

Brett's Mill. Situated on Left Hand creek, near mouth of James creek, eight miles from Boulder.

Cincinnati Concentration Mill. Owned by John R. Davey and Robt. Simpson; situated on James creek, near Jamestown, fourteen miles from Boulder.

Corning Mill. Owned by the Corning Tunnel, Mining and Reduction Co.; situated on Four-mile creek, two miles from Sunshine and nine miles from Boulder; size of building 40 by 100 feet.

Evert's Mill. Situated on Four-mile creek, two miles from Salina and eight miles from Boulder; the main building is 40 feet in width by 50 feet in length, with an engine house 25 by 35 feet; contains 10-stamps, four Frue vaners, a 20-horse power engine, crushers, etc.

Golden Age Mill. Harlan P. Walker, proprietor; situated on James creek, in Jamestown, twelve miles from Boulder; has a capacity for treating 15 tons of ore in 24 hours; the building is a wooden structure, 40 feet in width by 70 feet in length, and contains 25-stamps, weighing 550 pounds each; a 25-horse power engine, four Bartola pans, Austrian percussion tables, water wheel, etc.; run by steam and water power.

Humboldt Mill. Owned by Edward J. Binford and John J. Ellingham; situated at the head of Indiana gulch, near town of Ward, in Ward mining district, eighteen miles from Boulder; has a capacity for treating 10 tons of ore daily, and contains 10-stamps, a 20-horse power engine, etc.; main building is 36 feet wide by 40 feet in length.

Long's Peak Mining Company's Mill, situated in town of Ward, eighteen miles from Boulder.

National Mill. Owned by the National Gold and Silver Mining Co., of Lexington, Ky.; Nathan Weare, superintendent; situated in Weare gulch, two miles from Caribou and eighteen miles from Boulder; contains 25-stamps, and all other necessary machinery.

Nederland Mill. Owned by Hon. Jerome B. Chaffee, Eben Smith, superintendent; situated in town of Nederland, Grand Island mining district, nineteen miles from Boulder; the building is a wooden structure, 100 feet in width by 165 feet in length, and contains 15-stamps, a Blake crusher, four cylinders, 120-horse power engine, amalgamating pans, agitators, etc.; has a capacity for treating 10 tons of ore daily.

New Jersey Mill. Owned by the Mining Company of New Jersey; situated at Caribou, Grand Island mining district, twenty-three miles from Boulder; has a capacity for treating 10 tons of ore daily.

Ni Wot Mill. Owned by William A. Davidson, of Valmont; situated in Ward mining district, eighteen miles from Boulder; has 50 stamps.

Orodelfan Smelting Works. Hunt, Barber & Co., proprietors; situated in Boulder cañon, at the mouth of Four-mile creek, three miles from Boulder; has a capacity for treating 10 tons of ore daily.

Pomeroy's Mill. J. V. Pomeroy, proprietor; situated in town of Ward, eighteen miles from Boulder; has a capacity for treating 10 tons of ore daily.

Rust's Concentration Mill. Owned by George W. Rust; situated in the city of Boulder.

Smuggler Mill. Owned by Chas. Van Fleet, of Boulder; situated near town of Balarat, seventeen miles from Boulder; main building is 28 feet in width by 30 feet in length, with a wing 30 by 45 feet, contains 20-stamps, and a 20-horse power engine, etc.; has a capacity for treating 14 tons of ore daily.

Stewart Mill. Operated by Jas. Martin & Co., situated on Pearl street, Boulder; contains ten stamps, concentration tables, one furnace, large size Bartola pan, one Burr mill and two engines.

Washington Avenue Mill. Owned by the Washington Avenue Silver Mining Co., of Cincinnati, Ohio; situated in Grand Island mining district, near Nederland, sixteen miles from Boulder. The main building is 44 feet in width by 130 feet in length, and contains all necessary machinery.

Williard's Mill, Owned by Z. A. Williard; situated on James creek, near Jamestown, thirteen miles from Boulder; main building is 45 feet in width by 60 feet in length, with an engine house 15 by 40 feet.

COAL MINES.

Davidson Coal and Iron Mining Co., incorporated April 28, 1873; capital stock $160,000, in 32,000 shares, $50 each; office Denver; organized by William A. Davidson, Jonathan S. Smith, George W. Smiley, Charles B. Kountze and William B. Berger.

Marshall Coal Mining Co., incorporated November 17, 1877; capital stock $30,000, in 300 shares, $100 each; office Denver; trustees, Augustine G. and Nathaniel P. Langford and Samuel S. Davidson.

Rob Roy. Henry T. West, proprietor; property comprises 160 acres of coal land; situated in town of Canfield, on Boulder Valley Railroad, twenty-five miles from Denver; developed by a main shaft 125 feet, and an air shaft of the same depth, six entries aggregating 2400 feet, and seven air courses aggregating 2400 feet in length; has a capacity for raising 200 tons of coal daily.

Starr. Owned by Joseph C. Dresser, Benjamin M. Williams and William O. Wise; property comprises 160 acres of coal land, situated in town of Canfield, on Boulder Valley Railroad, one mile from town of Erie, and twenty-five miles from Denver; developed by a main shaft 103 feet deep, and an air shaft of same depth, six entries aggregating 1800 feet, and five air courses aggregating 1200 feet in length; has a capacity for raising 200 tons of coal daily, and has produced to date 20,000 tons.

Stewart. Owned by David Hill and James Thompson; office Denver; this property comprises 80 acres of coal land, situated one mile south of Erie, on Boulder Valley Railroad, twenty-two miles from Denver; developed by a main shaft 130 feet deep, five entries aggregating 1300 feet, and an air course 300 feet in length; has a capacity for raising 50 tons of coal daily, and has produced to date 18,000 tons.

Superior. Owned by David Hill and James Thompson; office Denver; this property comprises 80 acres of coal land, situated one mile from town of Erie, and twenty-two miles from Denver, on the Boulder Valley Railroad; developed by two shafts 80 and 100 feet, respectively; has a capacity for raising 50 tons of coal daily.

Welch Coal Co., incorporated August 26, 1878; capital stock $50,000, in 1000 shares, $50 each; office Golden; directors, Charles C., Luther J. and Frank L. Welch.

CLEAR CREEK COUNTY.

The area of this county is 468 square miles. It is bounded on the north by the counties of Gilpin and Grand, south by Park county, east by Jefferson county, and west by the counties of Summit and Grand. The population is 12,000, and the bullion product for the year 1878 $2,250,000. A description of its mining and milling interests will be found in the following pages.

Adams, Ben. Owned by the Lebanon Mining Co., Julius G. Pohle, supt.; office, Georgetown; claim, 50 by 1600 feet, patented; located 1865; situated on Republican mountain, Griffith mining district, two miles from Georgetown; course of vein, northeast and southwest, width 4 to 6 feet, pay vein 4 inches, pitch 10° north; nature of ore, gray copper; average value 160 ounces silver per ton; main shaft 65 feet deep; one level 40 feet in length.

Adelia. George L. Cannon, proprietor; office, Idaho Springs; claim, 50 by 1500 feet; located 1872; situated on Schaffter mountain, Idaho mining district, half mile from town of Idaho Springs; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, 12 inches; nature of ore, free gold, average value, $104 per ton; main shaft, 50 feet deep,

Adrian. George L. Cannon, proprietor; office, Idaho Springs; claim, 150 by 1500 feet; located 1872; situated on Schaffter mountain, near Idaho Springs, thirty-three miles from Denver; vertical vein, trending northeast and southwest, width 4 feet, pay vein, 10 inches; nature of ore, free gold, average value, 20 ounces gold per cord; one shaft, 60 feet deep.

Advance. Owned by the Burleigh Mining Co., Ivers Phillips, supt.; claim, 150 by 3000 feet; located 1871; situated on Sherman mountain, Griffith mining district, near town of Silver Plume, three miles from Georgetown; course of vein, east and west, width, 4 feet, pay vein, 4 inches, pitch 20° north; nature of ore, galena, value, 200 ounces silver per ton; reached by the Burleigh tunnel at a distance of 1000 feet from the mouth and intersected at a depth of 550 feet; one level 40 feet in length.

Ætna. Owned by George E. Marsh and William J. Gilchrist; office, Georgetown; claim, 50 by 3000 feet, patented; situated on Griffith mountain, Griffith mining district, one mile from Georgetown; course of vein, northeast and southwest, pitch 5° north, width, 20 feet, pay vein, 11 inches; nature of ore, galena and sulphurets; value, 300 ounces silver per ton; one shaft, 20 feet deep; one level, 140 feet in length.

Akron Mining Co., incorporated April 24, 1878; capital stock $100,000, in 1,000 shares, $100 each; office, Akron, Ohio; trustees, William W. Moulton, Joseph A. Beebe, Richard S. Elkins, Edward Mize, Joy H. Pendleton and David L. King.

Akron Tunnel. Owned by the Akron Tunnel Co.; claim, 1500 by 3000 feet; located 1876; situated on Columbia mountain, Montana mining district, near town of Lawson, six miles from Georgetown; length of tunnel, 400 feet.

Alabama. Owned by C. N. Shipman; claim, 50 by 1600 feet, patented; discovered 1865; situated on Leavenworth mountain, Griffith mining district, three miles from Georgetown; width of vein, 5 feet; pay vein, 1 to 4 inches; value of first-class ore, 500 to 2000 ounces, and second class ore 350 to 450 ounces silver per ton; developed by two tunnels on the vein, one of which is 200 feet in length, and two shafts sunk from the tunnel level, 50 and 100 feet respectively.

Albro. Situated on Silver creek near Georgetown; width of vein, 4 feet; value of ore, $40 per ton; developed by a shaft 200 feet deep and a tunnel on the vein, which intersects the shaft at a depth of 100 feet.

Allen Mining Property. Sam'l P. Allen, proprietor; office, Empire; claim, 50 by 1500 feet; situated on Silver mountain, Upper Union mining district, two miles from Georgetown; course of vein, northeast and southwest, width, 4 feet, pitch, 15° northwest; nature of ore, iron and copper pyrites; value, $150 per cord; main shaft, 150 feet deep; one tunnel, 900 feet in length, which intersects the vein at a depth of 450 feet; yield $13,000.

Alpine. Horatio E. and Morris Hazard and David Rousseau, proprietors; office, Central City; claim, 50 by 1500 feet; located 1872; situated on McClelland mountain, East Argentine mining district, seven miles from Georgetown; vertical vein, trending northeast and southwest, width, 6 feet, pay vein, 10 inches; nature of ore, galena; average value, of first-class ore 300 ounces, and second-class ore, 150 ounces silver per ton; two levels, aggregate length, 125 feet.

Alps. Lebanon Mining Co., proprietors, Julius G. Pohle, supt.; office, Georgetown; claim, 50 by 1500 feet, patented; located 1870; situated in Cascade mining district, four miles from Idaho Springs; vertical vein, trending northeast and southwest, width, 20 feet, pay vein, 14 inches; nature of ore, galena and gray copper; average value, 150 ounces silver per ton; one shaft, 40 feet deep.

Amazon. Owned by John McIntosh, James Ray and David Hill; office, Georgetown; claim, 150 by 1500 feet; located 1876; situated on Sherman mountain, near town of Silver Plume, Griffith mining district, two miles from Georgetown; course of vein, north and south, width, 6 feet, pitch, 10° east; one tunnel 180 feet in length.

American Chief. Owned by George Westman, C. S. Abbot and others; office, Lawson; claim, 150 by 1500 feet; located 1877; situated on Columbia mountain, Montana mining district, near town of Lawson; vertical vein, running east and west, width, 4 feet, pay vein, 6 inches; nature of ore, galena; average value, $125 per ton; main shaft, 50 feet deep.

American Eagle. Francis L. Andre, proprietor; office, Empire; claim, 150 by 1500 feet; located 1875; situated on Silver mountain, Upper Union mining district, two miles from Georgetown; vertical vein, running north and south, average width, 4 feet, pay vein, 18 inches; nature of ore, iron and copper pyrites and free gold; average value, $150 per cord; main shaft, 90 feet, and one other shaft 40 feet deep.

American Mining Co., incorporated June 24, 1870; capital stock, $2,000,000, in 20,000 shares, $100 each; office, Washington, D. C.; organized by Sayles J. Bowen, Charles H. Parsons, Thomas Antisell, Edward G. Ross, Alpheus S. Williams, Thomas T. Crittenden, Stephen K. Kane, Alfred B. Mullett and William Thorpe.

Anderson Prospecting Co., organized under the laws of the State of Kentucky, July 19, 1872; capital stock, $55,000, in 550 shares, $100 each; office, Louisville, Kentucky; organized by W. H. Anderson, H. H. Sale, James Ruddle, John F. Babbitt, Benjamin S. Weller, William H. Sale, R. J. Crawford, J. T. Murphy and James McGrain.

Anglo Saxon. Situated on Griffith mountain, Griffith mining district, near Georgetown; nature of ore, silver glance, average value, 1000 ounces silver per ton; developed by levels and tunnels.

Annoka County. Owned by Jas. Kinkead and Thomas H. Tatch; office, Fall River; claim, 50 by 800 feet, patented; located 1860; situated on Donaldson hill, Spanish Bar mining district, near town of Fall River; course of vein, northeast and southwest, average width, 4 feet, pay vein, 15 inches, pitch, 25° south; nature of ore, iron and copper pyrites, average value, $110 per ton; main shaft, 50 feet deep; aggregate depth of other shafting, 75 feet.

Aorta Tunnel. Owned by the Bay State Mining Co., and Chas. P. Baldwin; offices, Georgetown, Colorado, and Boston, Mass.; claim, 1500 by 3000 feet; situated on Silver mountain, Upper Union mining district, near town of Empire, two miles from Georgetown; length of tunnel 960 feet, designed to cut the following named lodes, Livingston County, Silver Mountain, Fountain, Tempest, Coyote, Erie County, Must Cash, Seigel, Harden County, Sandusky, Tenth Legion and Aorta. These lodes are intersected by the tunnel at a depth of from 450 to 800 feet.

Argentine. Situated on Leavenworth mountain, Griffith mining district, three miles from Georgetown; discovered 1875; width of vein, 7 feet, pay vein 2 feet; value of ore, 400 ounces silver per ton; developed by a shaft 100 feet deep, two levels, 150 and 285 feet in length respectively, and one tunnel which intersects the vein at a depth of 60 feet.

Argentum Company, incorporated June 21, 1876; capital stock, $2,000, in 20 shares, $100 each; office, Denver; organized by Aaron B. Robbins, Henry A. Bagley and William F. Perkins.

Argonaut. Nathan White & Co., proprietors; office, Leadville; claim, 150 by 1500 feet; located 1875; situated on Leavenworth mountain, Griffith mining district, two miles from Georgetown; course of vein, northeast and southwest, width 4 feet, pay vein 10 inches, pitch 20° east; nature of ore, sulphurets, galena and iron pyrites, average value 150 ounces silver per ton; one shaft 45 feet deep.

Argus. West Argentine Mining Co., proprietors; John A. Stacey, Pres't, William H. Baldwin, Sec'y, Charles P. Baldwin, Sup't; office, Georgetown; claim, 50 by 3000 feet, patented; located 1865; situated on Kelso mountain, above timber line, Argentine mining district, four miles from Bakerville, and 12 miles from Georgetown; course of vein, east and west, pitch northwest, width 5 feet, pay vein, 1 to 5 inches; average value of ore, 225 to 400 ouces silver per ton; two shafts, 16 and 20 feet in depth, respectively; one level 40 feet in length.

Aspinwall Mining and Milling Co., incorporated February, 3, 1877; capital stock, $600,000, in 60,000 shares, $10 each; office, Denver; trustees, Calvin C. Davidson, Eli M. Ashley, Aaron Gove, James Lawson and J. Wallin Root.

Astor, W. B. Owned by the Astor Mining Co., Cincinnati; offices, Georgetown, Colorado, and Cincinnati, Ohio; patented claim, located 1866; situated on Democrat mountain, Griffith mining district, two miles from Georgetown; vertical vein, trending northeast and southwest, width 50 feet; pay vein, 2 to 18 inches; nature of ore, silver glance, gray copper and galena, value, 500 ounces silver per ton; five shafts, aggregate depth, 400 feet; one adit 750 feet in length.

Astor, extension. J. H. Rogers, J. Shields, John Shillito and W. C. Hicock, proprietors; office, Georgetown; claim, 50 by 1400 feet, patented; located 1868; situated on Democrat mountain, Griffith mining district, two miles from Georgetown; course of vein, northeast and southwest, average width, 18 feet, pitch 10°, pay vein 5 inches; nature of ore, galena and sulphurets, average value, 300 ounces silver per ton; main shaft, 35 feet deep; one level 20 feet in length.

Atlantic. Owned by James Peck and Sons; office, Empire; claim, 150 by 1500 feet, patented; located 1864; situated on Silver mountain, Upper Union mining district, one mile from Georgetown; vertical vein, running northeast and southwest, average width, 8 feet, pay vein, 7 feet; nature of ore, iron and copper pyrites, average value $40 per ton; main shaft, 230 feet deep; one level, 50 feet in length; yield, $5,000.

Atlantic. Owned by T. F. Simmons, H. O. and Schuyler Button; office, Georgetown; claim, 100 by 3000 feet; located 1867; situated on Sherman mountain, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest, width, 11 feet, pitch, 45° north; nature of ore, galena, value, 60 ounces silver per ton; one shaft, 50 feet deep; one tunnel, 200 feet in length.

Ayrshire Tunnel. Owned by John W. Edwards & Co.; office, Idaho Springs; claim, 1500 by 3000 feet; located 1874; situated on Montgomery mountain, Grass Valley mining district, thirty-three miles from Denver; length of tunnel, 105 feet.

Bald Eagle. Owned by David Green; situated in Virginia cañon, Idaho mining district, three miles from Central City; pay vein, 15 inches; nature of ore, galena and iron pyrites, average value, $50 per ton; main shaft 75 ft. deep.

Ball's Placer. Owned by David J. Ball, comprises seventeen acres of patented property; located at the mouth of Lion gulch, three miles north from Georgetown.

Baker. Owned by the Baker Silver Mining Co.; office, Georgetown; claim, 1500 by 3000 feet, patented; located 1860; situated on Kelso mountain, East Argentine mining district, thirteen miles from Georgetown; course of vein, east and west, average width 15 feet, pitch 45° north, nature of ore, sulphurets and galena, average value, $200 per ton; main shaft, 480 feet deep.

Baltic. Owned by Edward Bowden & Co.; office, Mill City; claim, 150 by 1500 feet, patented; located 1875; situated on Columbia mountain, Montana mining district, two miles from Lawson, and six miles from Georgetown; course of vein, east and west, average width, 10 feet, pay vein, 2 to 3 feet, pitch, 45° north; nature of ore, gray copper, galena and native silver, average value, $150 per ton; main shaft, 200 feet deep, three adits, aggregate length 420 feet.

Baltic. Owned by the Revenue Mining Co.; situated in Geneva mining district, four miles from Montezuma and thirteen miles southwesterly from Georgetown.

Baltimore Tunnel Mining Co. John Tomay, agent; office, Georgetown; claim, 50 by 1500 feet, patented; located on Brown mountain, Griffith mining district, three miles from Georgetown; width of crevice, 3 feet; average value of ore, 300 ounces silver per ton; main shaft, 120 feet deep; one tunnel, 750 feet in length; three levels, aggregate length 460 feet.

Bank of England. George L. Cannon, proprietor; office, Idaho Springs; claim, 150 by 1500 feet; located 1878; situated on Russell mountain, two miles from Idaho Springs and thirty-three miles from Denver; course of vein, east and west, width 4 feet, pay vein, 14 inches; nature of ore, free gold; average value, seven ounces gold per cord; main shaft, 40 feet deep.

Bassett, Well. Owned by the Lebanon Mining Co.; Julius G. Pohle, supt.; office, Georgetown; claim, 150 by 1500 feet; located 1868; situated on Republican mountain, Griffith mining district, two miles from Georgetown; course of vein, northeast and southwest; width, 20 feet, pitch, northwest; nature of ore, galena; main shaft, 20 feet deep; one adit, 60 feet, and one level, 65 feet in length.

Baxter. Owned by Church Bros. and Enos K. Baxter; office, Georgetown; claim 50 by 100 feet, patented; situated on Sherman mountain, near town of Silver Plume, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest; width, 4 feet, pay vein, 6 inches, pitch, 10° north; nature of ore, zinc blende and galena; average value, 180 ounces silver per ton; three shafts, aggregate depth 380 feet; one tunnel 75 feet in length; intersected by the Diamond tunnel.

Beecher, Henry Ward. Owned by James Rogers, John Shields and W. C. Hicock; office, Georgetown; claim, 150 by 2000 feet, patented; located 1860; situated on Republican mountain, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest; average width, 9 feet, pitch, north, pay vein, 1 to 20 inches; nature of ore, galena; average value, 40 ounces silver per ton; main shaft 25 feet deep; one level, 20 feet in length.

Bellevieu Tunnel. E. T. Carr, Charles McKee and Jay J. Joslin, proprietors; office, Central City; claim, 1500 by 3000 feet; located 1877; situated on Bellevieu mountain, Virginia mining district, three miles from Central City; length of tunnel 210 feet.

Benton. Owned by the Benton Gold and Silver Mining Co., of Chicago; claim, 50 by 1600 feet, patented; located 1868; situated on Brown and Sherman mountains, Queen mining district, three miles from Georgetown; course of vein, northeast and southwest; width, 4 to 18 feet; pay vein, 4 to 10 inches; nature of ore, galena, gray copper and zinc blende; average value, 100 ounces silver per ton; main shaft, 80 feet deep; one tunnel, 70 feet in length; two levels, 30 feet each.

Big Gun. David M. De Witt, proprietor; office, Georgetown; claim, 150 by 1500 feet; discovered 1876; situated on Sherman mountain, Griffith mining district, three miles from Georgetown; width of vein, 4 feet, pay vein, 2 to 4 inches; one shaft, 30 feet deep; reached by tunnel, at a distance of 300 feet from the mouth, and intersected at a depth of 165 feet.

Blue Jacket. Owned by Cashier Silver Mining Co., and Cushman estate; office, Georgetown; claim, 50 by 900 feet; located 1867; situated on Red Elephant mountain, one mile from Lawson; course of vein, east and west; average width, 15 feet, pitch, 40° north, pay vein, 6 to 18 inches; nature of ore, galena and native silver; assay value, 40 ounces silver per ton; one shaft 60 feet deep; one adit 60 feet from surface and 100 feet in length.

Blue Jacket, west extension. Owned by J. H. Adams, A. D. Blodgett, J. E. Dubois, F. H. Allison and the Cushman estate; claim, 50 by 2100 feet; located 1867; situated near town of Lawson, on Red Elephant mountain, forty-six miles from Denver; course of vein, northeast and southwest, width, 15 feet, pay vein, 6 to 18 inches, pitch, 45° north; one shaft 32 feet deep.

Blue Wing. Owned by George H. Barrett & Co., of Georgetown; claim, 150 by 1500 feet; located 1877; situated on Red Elephant mountain, one mile from town of Lawson, Downieville mining district, six miles from Georgetown; course of vein, northeast and southwest, width, 12 feet, pitch, 20° north, pay vein, 10 inches; nature of ore, galena; average value, $50 per ton; one shaft 42 feet deep.

Bobtail. Owned by George M. Cummings and David B. Nash; office, Silver Plume; claim, 150 by 1500 feet; located 1873; situated on Sherman mountain, Griffith mining district, three miles from Georgetown; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 2 to 6 inches; value of ore, 240 ounces silver per ton; main shaft, 25 feet deep; one tunnel 20 feet in length.

Bonanza Tunnel. Owned by Patrick McNulty, John Caine and Anthony Joslin; claim, 1500 by 3000 feet; situated on Democrat mountain, Griffith mining district.

Boulder Nest. Owned by Joseph Reynolds, James I. Gilbert, C. R. Fish, A. H. Borman and G. H. Barrett; office, Georgetown; claim, 150 by 1100 feet, patented; located 1877; situated on Red Elephant mountain, Downieville mining district, one mile from Lawson; course of vein, northeast and southwest, average width, 4 feet, pitch, 10° north, pay vein 1 to 3 feet; nature of ore, galena, gray copper and sulphurets; average value $140 per ton; main shaft, 275 feet deep, and three other shafts aggregating 575 feet; three levels, 140, 220 and 290 feet in length, respectively; one steam pump, two engines, 10 and 20 horse power, respectively; yield $200,000.

Boyd Lynn. Owned by the Lebanon Mining Co., Julius G. Pohle, Sup't; office, Georgetown; claim, 50 by 800 feet; located 1867; situated on Republican mountain, Griffith mining district, one mile from Georgetown; couse of vein, north and south, width 4 feet, pay vein, 1 foot; nature of ore, galena, average value, 355 ounces silver per ton; main shaft 20 feet deep.

Britannia Tunnel. Owned by the Revenue Mineral Co.; office, Grant, Park county, Colorado; claim, 1500 by 3000 feet; situated on Revenue mountain, above timber line, Geneva mining district, fifteen miles from Georgetown; course of tunnel north and south; length 1000 feet.

Broadway Tunneling and Silver Mining Co., incorporated May 18, 1875; capital stock, $500,000, in 5000 shares, $100 each; office, New York City, and Georgetown, Colorado; organized by Andrew J. Cropsey, A. S. Palmer, George W. Hoagland, Arthur J. Fitch, Frank J. Marshall and W. H. Moore.

Brother Jonathan. Owned by Carver J. Goss, Francis Gallup and Edward E. Hartwell; office, Georgetown; claim, 150 by 1500 feet; located 1867; situated on Democrat mountain, Griffith mining district, one mile from Georgetown; course of vein, east and west, pitch north, width, 6 feet; pay vein, 4 inches; nature of ore, galena; average value, $50 per ton; one tunnel, 40 feet in length.

Buchanan. Owned by M. W. Latson and others; office, Georgetown; claim, 150 by 1500 feet; located 1875; situated on Leavenworth mountain, Griffith mining district, two miles from Georgetown; course of vein, north and south, average width, 20 feet, pitch, 20° north, pay vein, 4 inches; nature of ore, galena and gray copper, average value, $175 per ton; main shaft 50 feet, and one other shaft 35 feet deep, one tunnel, 100 feet in length.

Buchanan Silver Mining Co., incorporated December 2, 1876; capital stock, $100,000, in 1000 shares, $100 each; offices, Georgetown, Colorado, and Indianapolis, Indiana; organized by Norman M. and Morris M. Ross, Austin W. Morris, James Buchanan and M. W. Latson.

Buckskin. Owned by Alexander Lawson, Joseph I. Gilbert, and Nils Larsen; office, Georgetown; claim, 150 by 1000 feet; located 1877; situated on Red Elephant mountain, Downieville mining district, forty-five miles from Denver; vertical vein, trending east and w[illegible] width 6 feet; pay vein, 7 inch[illegible] nature of ore, galena; average value 84 ounces silver per ton; one shaft 30 feet deep; two tunnels aggregate length 240 feet; shaft house, 12 by 20 feet.

Bull, John. Owned by Charles H. Marshall & Co. and McMurdy estate; office, Georgetown; claim, 50 by 1500 feet; located 1868; situated on Leavenworth mountain, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest, pitch 10° north, pay vein, 15 inches; nature of ore, sulphurets; average value 500 ounces silver per ton; one shaft, 100 feet deep, three levels, aggregate length 200 feet.

Bulldozer Tunnel, Alexander Lawson, S. B. Bishop and B. Willis, proprietors; office, Lawson; claim, 1500 by 3000 feet; located 1877; situated on Red Elephant mountain, one mile from town of Lawson, and forty-five miles from Denver; length of tunnel, 100 feet; designed to cut the White, Free America, Carbon, Apex and other lodes.

Burleigh Tunnel. Owned by the Burleigh Mining Co., organized under the laws of the State of Massachusetts; capital stock, $400,000, offices, Georgetown, Colorado, and Fitchburg, Massachusetts; Charles H. Burleigh, Pres't, Col. Ivers Philips, Sup't; this property comprises a tunnel claim, 1500 by 3000 feet, with 30 acres of ground for mill and building sites, all of which is patented; length of tunnel 2300 feet; situated at the base of Sherman mountain, Griffith mining district, near town of Silver Plume, three miles from Georgetown.

Bush. Perry Kalbaugh, proprietor; office, Golden; claim, 50 by 1400 feet, patented; located 1869; situated on Sherman mountain, near town of Silver Plume, three miles from Georgetown; vertical vein, trending northeast and southwest, width 5 feet, pay vein, 10 inches; nature of ore, galena, zinc blende and sulphurets; value 500 ounces silve per ton; two shafts, aggregate depth, 150 feet; one level 40 feet in length; reached by the the Burleigh tunnel 1000 feet from the mouth and intersected at a depth of 350 feet.

Cash La Poudre Tunnel. William Baker, proprietor; office, Georgetown; claim, 1500 by 3000 feet; located 1872; situated on Leavenworth mountain, Griffith mining district, near Silver Dale, three miles from Georgetown; length of tunnel, 200 feet.

Caledonia. Owned by Caledonia Silver Mining Co.; office, Georgetown; claim, 50 by 750 feet, patented; located 1865; situated on Republican mountain, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest, width, 3 feet, pitch, 10° north; pay vein, 14 inches; nature of ore, gray copper and galena, average value, 375 ounces silver per ton; aggregate depth of shafts, 375 feet; aggregate length of levels, 400 feet.

Cannon. George L. Cannon, proprietor; office, Ihaho Springs; claim, 150 by 1500 feet; located on Schaffter mountain, Idaho mining district, one mile from town of Idaho Springs, and thirty-three miles from Denver; course of vein, northeast and southwest, average width, 5 feet, pitch, 10° north, pay vein, 10 inches; nature of ore, free gold; main shaft, 50 feet deep.

Capital. A. C. Carpenter, proprietor; office, Lawson; claim, 50 by 3000 feet; located 1868; situated on Capital mountain, Montana mining district, one mile from Lawson, and forty-three miles from Denver; course of vein, east and west, width, 6 feet, pay vein, 15 inches, pitch, 35° north; nature of ore, galena, gray copper and native silver, average value, 100 ounces silver per ton; main shaft, 180 feet deep, one level 200 feet in length; yield $4,000.

Captain Wells. Owned by Charles P. Baldwin and William T. Raynolds; office, Georgetown; claim, 50 by 1000 feet, patented; situated on Sherman mountain, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest, width, 8 feet, pay vein, 1 to 15 inches; nature of ore, galena, porphyry and zinc blende, average value of first-class ore, 4920 ounces, second-class ore, 244 ounces and third-class ore, 61 ounces silver per ton; main shaft, 105 feet deep, aggregate depth of other shafts, 120 feet, one level 50 feet in length.

Carbonate. Owned by William N. Dickerson, William H. Doe and J. F. Bearce; office, Lawson; claim, 150 by 1500 feet; located 1878; situated on Columbia mountain, Montana mining district, two miles from Lawson; vertical vein, running east and west, width, 4 feet, pay vein, 10 inches; nature of ore, galena and copper pyrites; average value, $75 per ton; one shaft, 25 feet deep; one tunnel, 30 feet in length.

Cascade. Cascade Mining Co., proprietors; office, Idaho Springs; claim, 50 by 2100 feet; located 1864; situated on Ute creek, Cascade mining district, six miles from Georgetown; course of vein, northeast and southwest, width, 5 feet, pitch, 30° north, pay vein, 4 feet; nature of ore, galena; average value 300 ounces silver per ton; main shaft, 65 feet, and one other shaft, 40 feet deep; one adit, 690 feet in length.

Cascade. Owned by the Young America Silver Mining Co.; office, Georgetown; claim, 50 by 700 feet; located 1866; situated on Sherman mountain, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest, average width, 5 feet, pitch, 10° north, pay vein, 10 inches; nature of ore, gray copper; average value, 300 ounces silver per ton; aggregate depth of shafts, 130 feet; one tunnel, 75 feet in length.

Cashier. Zadock Kalbaugh, W. W. Wrigley and E. McLelland, proprietors; office, Georgetown; claim, 50 by 700 feet, patented; located 1866; situated on Sherman mountain, Griffith mining district, three miles from Georgetown; vertical vein, running northeast and southwest, average width, 4 feet, pay vein, 2 to 12 inches; nature of ore, galena and sulphurets; average value, 200 ounces silver per ton; aggregate depth of shafts, 150 feet; aggregate length of levels, 300 feet.

Cashier, West. Cashier Silver Mining Co., Mass., proprietors; offices, Georgetown, Colorado, and Boston, Mass.; Horatio G. Parker, prest., Arthur W. Hoyt, sec. and treas.; claim, 700 linear feet, patented; located 1866; situated near town of Brownville, on Sherman mountain, three miles from Georgetown; course of vein, east and west, average width, 10 feet, pitch, 10° north, pay vein, 8 inches; nature of ore, galena, gray copper and zinc blende; average value, $99 per ton; two shafts, aggregate depth, 280 feet; four levels, aggregate length 368 feet.

Centennial. Owned by R. Majors, A. Horn and John Thompson; situated in Geneva mining district, four miles from Montezuma and thirteen miles from Georgetown, width of vein, 18 inches; nature of ore, galena, gray copper and copper pyrites, value, 140 ounces silver per ton; operated through a tunnel from an adjoining claim.

Centennial. Owned by Horatio E. and Morris Hazard, John Collier and J. S. Boreham; office, Central City; claim, 150 by 1500 feet; located 1875; situated at the head of Virginia cañon, Virginia mining district, three miles from Central City; course of vein, northeast and southwest, width, 4 feet, nature of ore, iron pyrites; average value, 4 ounces gold per cord; six shafts, aggregate depth, 200 feet.

Centennial. Samuel Tobin, proprietor; office, Idaho Springs; claim, 150 by 1500 feet; located 1876; situated on Hukill gulch, Spanish Bar mining district, two miles from Idaho Springs; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 12 inches; nature of ore, galena, iron and copper pyrites; average value $100 per ton; one shaft 60 feet deep.

Centennial Star. Owned by C. F. Kercher and O. P. Fluke; situated on Kelso mountain, West Argentine mining district, eight miles from Georgetown; developed by a surface opening, 60 feet in length; value of ore, 600 ounces silver per ton.

Center Tunnel. Owned by C. J. Johnson, August Nilson, Nils. Frohm and August Peterson; office, Georgetown; claim, 1500 by 3000 feet; located 1874; situated on Democrat mountain, Griffith mining district, three miles from Georgetown; nature of ore, galena, gray copper, wire silver, iron and copper pyrites; average value, $450 per ton; this tunnel is now 360 feet in length, and has cut the Montana, Woodstock and Jupiter lodes; two shafts, 30 and 80 feet in length, respectively; aggregate length of levels, 350 feet; yield $6,000.

Central Iowa Silver Mining Co., Iowa, incorporated March 17, 1877; capital stock, $100,000, in shares of $10 each; offices, Georgetown, Colorado, and Marshalltown, Iowa; organized by F. L. Downend, A. H. Neidig, E. C. McMillan, William H. Thomas, Nathan Worley, Jr., J. B. Stattler and E. C. Rice.

Champion. Edward W. Williams, William and Edward Jones and Owen Hughes, proprietors; office, Central City; claim, 150 by 3000 feet; located 1878; situated on Bellevue mountain, Idaho mining district, three miles from Central City; course of vein, northeast and southwest, width, 4 feet, pay vein, 1 foot, pitch, 25° north, value of ore, 20 ounces gold per cord; main shaft, 100 feet, and one other shaft, 60 feet deep; one drift 40 feet in length, and 55 feet from surface.

Champion. J. Alden Smith and Arthur Gorham, proprietors; office, Boulder; claim, 50 by 200 feet, located 1859; situated on Champion mountain, Trail Run mining district, three miles from Idaho Springs; course of vein; northeast and southwest, width, 2 feet, pitch, 5° northwest, pay vein, 10 inches; nature of ore, iron and copper pyrites and free gold, average value, $132 per cord; main shaft, 70 feet deep; one drift, 30 feet, and one level 50 feet in length.

Champion. Owned by the Lebanon Mining Co. of Colorado, and New York; Julius G. Pohle, Sup't; offices, Georgetown, Colorado, and New York City; claim, 50 by 1500 feet, patented; located 1870; situated on Republican mountain, Griffith mining district, two miles from Georgetown; course of vein, northeast and southwest, width, 150 feet, pitch, southeast, pay vein, 3 to 4 inches; nature of ore, galena, average value, 500 ounces silver per ton; main shaft 40 feet deep, two tunnels, 60 and 40 feet, respectively; aggregate length of levels, 700 feet.

Charter Oak. Lebanon Mining Co., proprietors; Julius G. Pohle, Sup't; office, Georgetown; claim, 50 by 1500 feet, patented; located 1870; situated in Cascade mining district, three miles from Idaho Springs; vertical vein, trending northeast and southwest, width, 20 feet; nature of ore, galena, gray copper and sulphurets, average value 150 ounces silver per ton; one shaft, 50 feet deep.

Church, G. M. Charles E. Robinson and Gilbert Wakefield, proprietors; office, Spanish Bar; claim, 150 by 1500 feet; located 1878; situated on Red Elephant mountain, near town of Lawson, forty-six miles from Denver; vertical vein, running northeast and southwest, average width, 4 feet, pay vein, 1 to 7 inches; nature of ore, galena, average value, $100 per ton; main shaft 70 feet deep.

Church, H. H. Charles E. Robinson & Co., proprietors; office, Spanish Bar; claim, 150 by 3000 feet; located 1878; situated on Fall River, Morris mining district, two and one-half miles from Idaho Springs, and forty-three miles from Denver; main shaft, 80 feet deep, one adit, 114 feet in length.

Cincinnati. Owned by Charles C. Welch, David C. Crawford, James F. Devere and R. W. Chinn; office, Denver; claim, 150 by 1500 feet; located 1877; situated on Columbia mountain, Montana mining district, one mile from town of Lawson, and forty-six miles from Denver.

Clara. Owned by H. E. Lane; office, Baltimore; claim, 150 by

1300 feet, patented; located 1873; situated on Griffith mountain, Griffith mining district, two miles from Georgetown; course of vein, east and west, pitch, 10° north, width, 9 feet, pay vein, 6 inches; nature of ore, sulphurets and silver glance, average value, 300 ounces silver per ton; two tunnels, aggregate length 250 feet.

Clarissa. William H. Bush, proprietor; office, Central City; claim, 150 by 1500 feet, patented; situated on Virginia hill, Virginia mining district, two miles from Central City.

Clear Creek Co., incorporated December 28, 1875; capital stock, $100,000, in 2000 shares, $50 each; offices, Georgetown, Colorado, and New York City; organized by H. Augustus Taylor, Frank M. Taylor and N. T. Porter.

Clear Creek Mining and Improvement Co., incorporated April 5, 1873; capital stock, $100,000, in 1000 shares, $100 each; offices, Georgetown, Colorado, and New York City; organized by Reuben S. Middleton, Locke W. Winchester, Jay C. Wemple and J. Warren Brown.

Cold Stream. Owned by William Clinn; office, Baltimore; claim, 150 by 1500 feet; located 1871; situated on Republican mountain, near silver Plume, Griffith mining district, three miles from Georgetown; course of vein, east and west, width, 6 feet, pay vein, 18 inches; nature of ore, galena, zinc blende and sulphurets; average value, 135 ounces silver per ton; main shaft, 200 feet deep; one tunnel, 350 feet in length; three levels, aggregate length, 250 feet.

Cold Stream Consolidated Mining Co., incorporated June 6, 1878; capital stock, $1,000,000, in 100,000 shares, $10 each; office, Georgetown; trustees, John Glenn, Henry Crow, William T. Reynolds, Jacob Fillius and Charles R. Fish.

Coaley, Joe. Edward C. Guibor, proprietor; office, Empire; claim, 150 by 1500 feet; located 1876; situated on Silver mountain, Upper Union mining district, two miles from Georgetown; vertical vein, running northeast and southwest, width, 3 feet, pay vein, 1 foot; nature of ore, iron pyrites; average value, $100 per cord; aggregate depth of shafts, 124 feet; one tunnel 40 feet in length; yield $1,800.

Collom Idaho Ore Dressing Co., incorporated April 17, 1874; capital stock $50,000, in 500 shares, $100 each; office, Idaho Springs, Colorado, and Trenton, New Jersey; organized by John and Chas. Collom, Daniel Peters, Frederick R. Williamson and William Hancock.

Colorado. Situated on the eastern slope of the main range, west of Geneva valley, four miles from Montezuma and thirteen miles from Georgetown; developed by a tunnel 100 feet in length, which intersects the vein at a depth of 40 feet.

Colorado Central. Owned by Charles H. Marshall and G. W. Hall; office, Georgetown; claim, 50 by 1500 feet, patented; located 1872; situated on Leavenworth mountain, Griffiith mining district, two miles from Georgetown; vertical vein, trending northeast and southwest, width, 75 feet; pay vein, 18 inches, nature of ore, galena and gray copper; average value, 500 ounces silver per ton; main shaft, 150 feet deep; one tunnel, 250 feet in length.

Colorado Corporation, incorporated May 17, 1873; capital stock $20,000,000, in 200,000 shares, $100 each; office, New York City; organized by Arthur A. Brown, Robert Edwards, L. M. Lawson, John H. King, John W. Brown, Seth B. Cole, John A. Biggs, Drake DeKay, Samuel W. Canfield, Edward H. Nichols, S. M. Blatchford, H. L. Johnson, William Thorpe, Charles Medary, V. Whitcomb, John E. Risley, Henry C. Brown and Mathias Goetzel.

Colorado Diamond Tunnel Silver Mining Co., John A. Fish, supt.; office, Georgetown; the property of this company is patented, and comprises a tunnel claim 1500 by 3000 feet, and three acres of ground, suitable for building and other purposes; length of tunnel, 1400 feet; situated on Republican mountain, Griffith mining district, one mile from Georgetown.

Colorado State. Owned by G. W. Cowles & Co.; office, Empire; claim, 150 by 1500 feet; located 1876; situated on Silver mountain, Upper Union mining district, two miles from Georgetown; vertical vein, running northeast and southwest, width, 5 feet, pay vein, 30 inches; nature of ore, free gold, iron and copper pyrites, average value, $150 per cord; main shaft, 30 feet deep; one adit, 30 feet in length.

Colorado United Mining Co., limited; organized under the laws of England, June, 1877; capital stock, £325,000, in 65,000 shares, £5 each; offices, Brownville, Colorado, and London, England; Cecil Beden, chairman, Francis Andrews, sec., Hon. William A. Hamill, manager. The property of this company is situated on Brown and Sherman mountains, at town of Brownville, three miles from Georgetown. It comprises the Terrible, Silver Ore, Brown, Oneida, Last Chance, and other lodes of minor importance, together with a new concentration mill, the capacity of which is 35 tons of ore daily. These mines are patented and well developed and are among the best producers in the State.

Combs. Owned by Perry Kalbaugh, of Georgetown; claim, 50 by 1400 feet, patented; located 1866; situated on Sherman mountain, Griffith mining District, three miles from Georgetown; course of vein, northeast and southwest, average width, 4 feet, pitch, north, pay vein, 2 to 7 inches; nature of ore, galena, average value, 6 ounces silve per ton; aggregate depth of shafts, 200 feet, aggregate length of levels, 125 feet.

Comet. Owned by the Ohio Comet Silver Mining Co.; incorporated 1876; J. A. Hawkes, Pres., O. Ballard, Jr., Sec'y and Treas'r, P. E. Morehouse, Sup't; capital stock, $100,000; offices, Georgtown, Colorado, and Circleville, Ohio; claim, 50 by 1500 feet, patented; located 1867; situated on Griffith mountain, Griffith mining district, two miles from Georgetown; width of crevice, 100 feet; nature of ore, galena, zinc blende, iron and copper pyrities; average value, 180 ounces silve per ton; 4 shafts, aggregate depth 455 feet, one tunnel, 250 feet, and one level, 80 feet in length.

Comstock. Owned by James I. Gilbert, J. H. Western and Joseph Reynolds; office, Georgetown; claim, 50 by 3000 feet; located 1872; situated on Red Elephant mountain, near town of Lawson, Downieville mining district, six miles from Georgetown; course of vein, east and west, width, 30 feet, pay vein, 3 feet; main shaft, 120 feet deep; one tunnel 340 feet, and one adit 400 feet in length.

Confidence. David M. DeWitt, proprietor; office, Georgetown; claim, 150 by 1500 feet; located 1877; situated on Sherman mountain, near Brownville, Griffith mining district, three miles from Georgetown; width of vein, 3½ feet; open cut, 25 feet in length and 15 feet in depth; one tunnel, 50 feet in length.

Congress. Owned by William Mendenhall, and others; situated in Geneva mining district, four miles from Montezuma and thirteen miles from Georgetown; developed by a shaft, 75 feet deep, and a drift 80 feet long; value of ore, 200 ounces silver per ton.

Conmorn. Owned by Frederick Bunholzer, of Georgetown; claim 150 by 1500 feet; located 1877; situated on Red Elephant mountain, Downieville mining district, one mile from Georgetown; course of vein, northeast and southwest, width, 40 feet, pitch, north, pay vein 18 inches; nature of ore, galena and carbonate of copper; average value 130 ounces silver per ton; main shaft, 16 feet deep.

Conqueror. Owned by the Conqueror Gold Mining Co., Park Disbrow, supt. and vice-prest.; office, Empire; claim, 50 by 1500 feet; located 1864; situated on Silver mountain, Upper Union mining district, near town of Empire, three miles from Georgetown; course of vein, northeast and southwest, width, 4 to 26 feet, pitch, 10° north; nature of ore, iron pyrites; average value, $300 per cord; main shaft, 400 feet deep; aggregate depth of other shafting, 175 feet; one tunnel, 800 feet in length, and 265 feet from surface; one level, 240 in length and 265 feet from surface; yield, $75,000.

Consolidated Aspinwall and Durango Mining Co., incorporated August 1, 1876; capital stock, $600,000, in 60,000 shares, $10 each; office, Denver; organized by James Lawson, Richard C. Reily, J. W. Boot, Talmadge Norwood, C. C. Davidson, R. L. Martin and J. S. Smith.

Consolidated Hercules and Roe Silver Mining Co., incorporated February 2, 1876; capital stock, $1,000,000, in 100,000 shares, $10 each; offices, New York City, Georgetown and Denver, Colorado; G. W. E. Griffith, prest., K. G. Cooper, vice-prest., Charles M. Williams, sec., H. M. Griffin, treas. and supt. The property of this company is situated on Brown and Sherman mountains, Griffith and Queen mining districts, two miles from Silver Plume and four miles from Georgetown. It comprises the East Roe, Hercules, Seven-Thirty, West Hercules, John E. McClung and J. M. Wilson lodes, and a mill site containing five acres of ground. This property is patented, surrounded by timber, is well developed and has yielded to date, $500,000.

Cook. James Kinkead and Thomas H. Thatch, proprietors; office, Fall River; claim, 50 by 500 feet, patented; located 1860; situated on Donaldson hill, Spanish Bar mining district, near town of Fall River, thirty-three miles from Denver; course of vein, northeast and southwest, average width, 4 feet, pitch, 30° south, pay vein, 30 inches; nature of ore, copper and iron pyrites; average value, $160 per cord; main shaft, 110 feet deep; two adits, 140 and 170 feet in length, respectively; 12-stamp mill, with all necessary machinery for the successful treatment of ore.

Cope. Owned by William H. Latshaw; office, Idaho Springs; claim, 50 by 2000 feet, patented; located 1868; situated in Virginia mining district, on divide, between Virginia cañon and Fall river, three miles from Central City; course of vein, northeast and southwest, pitch. 45° north; width, 4½ feet, pay vein, 2 feet; nature of ore, iron and copper pyrites; average value, $118 per ton; main shaft, 50 feet deep; other shafting aggregating 50 feet; one drift, 40 feet in length.

Corwin, Tom. Owned by James Rogers, John Shields and W. C. Hicock; office, Georgetown; claim 50 by 1500 feet, patented; located 1866; situated on Democrat mountain, Griffith mining district, 2 miles from Georgetown; course of vein, northeast and southwest, width 12 feet, pitch north, pay vein 14 inches, nature of ore, carbonate of lead; average value $120 per ton; aggregate depth of shafts, 45 feet.

Corry City. Charles R. Fish & Co., proprietors, office, Georgetown; claim, 50 by 1000 feet, patented, located 1861, situated on Sherman mountain, Griffith mining district, 2 miles from Georgetown; vertical vein, trending northeast and southwest, width 12 feet; nature of ore, galena; average value, $23 per ton; main shaft 80 feet, and one other shaft 30 feet deep; one tunnel 170 feet in length; total yield, $5,000.

Corry City. Colorado Diamond Tunnel Silver Mining Co., proprietors, office, Baltimore, Md.; claim, 1000 feet, patented; situated on Republican mountain, Griffith mining district, half mile from Georgetown; course of vein, east and west, width 40 feet, pitch 10° north; nature of ore, galena and gray copper; main shaft 120 feet deep, one tunnel 1500 feet in length.

Courtney, Eli. Owned by Julius G. Pohle, H. S. Morrison, Samuel P. Bishop, C. C. Burnett and the McMurdy Estate; claim, 150 by 800 feet, patented; located 1864; situated on Leavenworth mountain, Griffith mining district, one mile from Georgetown; vertical vein, trending northeast and southwest, width 6 feet; nature of ore, gray copper and galena, average value, 300 ounces silver per ton.

Crown Point and Virginius. George and Robert Martin, Job V. Kimber, W. H. Cheatley, Harley B. Morse, John Scudder and William Armor, proprietors; office, Central City; claim, 150 by 1500 feet, patented; located 1859; situated at the head of Virginia Cañon, two miles from Central City; course of vein, northeast and southwest, width 4 feet, pitch 20° north; nature of ore, iron and copper pyrites; average value of mill ore, 10 ounces gold per cord, smelting ore, 100 per ton; main shaft 125 feet deep, aggregate depth of other shafts, 300 feet; total yield, $60,000.

Crown Silver Mining Co., incorporated May 31, 1877; capital stock, $500,000 in 50,000 shares, $10 each; office, Denver; trustees, Robert Connely, John M. Lord, William F. Shanks, William Braden and Horace W. Hibbard.

Coupon Placer. Owned by William Moore, H. M. Kline and E. R. Abodie; claim consists of 86 acres of ground, situated within the limits of the town of Empire, Upper Union mining district, one mile from Georgetown.

Denver. Owned by H. O., J. S. and Schuyler Button and the McMurdy Estate; office, Georgetown; claim, 150 by 1500 feet, patented; located 1864; situated on Sherman mountain, Griffith mining district, 3 miles from Georgetown; course of vein, northeast and southwest, width 18 feet, pay vein 8 to 12 inches, pitch 15° north; nature of ore, galena and sulphurets; average value, $450 per ton; 3 shafts, aggregate depth 180 feet; aggregate length of levels, 1100 feet.

Detroit. Harry Almer & Co., proprietors; office, Georgetown; claim, 150 by 1500 feet; located 1872; situated on Kelso mountain, West Argentine mining district, 9 miles from Georgetown; vertical vein, running northeast and southwest; width 4 feet, pay vein, 5 inches; nature of ore, galena and sulphurets; average value $500 per ton; one adit 100 feet in length.

Dexter. John Coburn, Charles P. Baldwin and R. H. Coe, proprietors; claim, 150 by 1500 feet, patented; located 1877; situated on Red Elephant mountain, Downieville mining district, six miles from Georgetown; course of vein, east and west, pitch, north, width, 16 feet, pay vein, 2 to 18 inches; nature of ore, galena, gray copper, iron and copper pyrites; aggregate length of levels, 225 feet.

Diamond. Owned by W. N. Webster and Daniel Diamond; claim, 150 by 1500 feet; located 1877; situated on Columbia mountain, Montana mining district, two miles from Lawson and six miles from Georgetown; one shaft, 40 feet deep.

Diamond Joe. Owned by James I. Gilbert and Joseph Reynolds; office, Georgetown; claim, 50 by 3000 feet, patented; situated on Kelso mountain, West Argentine mining district, ten miles from Georgetown; course of vein, northeast and southwest, width, 12 feet, pay vein, 4 to 18 inches, pitch, 5° north; nature of ore, gray copper and sulphurets of silver; average value, 400 ounces silver per ton; two shafts, aggregate depth, 500 feet; three levels, aggregate length 913 feet; intersected by tunnel at a depth of 800 feet.

Diamond Joe, east extension. Owned by J. H. Boun, C. Kelley and R. Carruth; claim, 150 by 1500 feet; located 1877; situated on Kelso mountain, West Argentine mining district, nine miles from Georgetown; course of vein, east and west, width, 5 feet, pay vein 8 inches; nature of ore, galena and sulphurets, average value, 180 ounces silver per ton; one adit, 105 feet in length; yield to date, $2,000.

Diamond Tunnel. Owned by the Colorado Diamond Tunnel Silver

Mining Co., Baltimore, John A. Fish, supt.; office, Georgetown; tunnel claim, 1500 by 3000 feet, and three acres of ground at the mouth of tunnel, all of which is patented; length of tunnel, 1400 feet; situated on Republican mountain, Griffith mining district, one mile from Georgetown.

Dives. Owned by the McMurdy estate, Purdue Silver Mining Co., and others, situated on Sherman mountain, near town of Silver Plume, three miles from Georgetown; this property was discovered in the year 1868, is well developed and has produced to date, $1,500,000.

Douglas. Lebanon Mining Co., proprietors, Julius G. Pohle, supt.; office, Georgetown; claim, 50 by 1500 feet; located 1870; situated on Lebanon mountain, Cascade mining district, four miles from Georgetown; vertical vein, running northeast and southwest, width, 6 feet, pay vein, 1 inch; nature of ore, galena; average value, 150 ounces silver per ton; one shaft, 32 feet deep.

Douglas Mining Co., incorporated October 19, 1870; capital stock, $1,000,000, in 10,000 shares, $100 each; office, New York; organized by Matthias Goetzel, Edward L. Lynch, Frederick Leposin, Alexander McDonald, Patrick McDonald, Jacob Ritter and William A. Neschke.

Dragon. Owned by Charles E. Robinson & Co.; office, Spanish Bar; claim, 150 by 1500 feet; located 1865; situated on Hukill gulch, two miles from Idaho Springs, Spanish Bar mining district, forty-three miles from Denver; vertical vein, running northeast and southwest, width, 25 feet; nature of ore, galena, iron and copper pyrites; one tunnel, 125 feet in length.

Drummond. Owned by W. N. Webster and Daniel Drummond; claim, 150 by 1500 feet; located 1877; situated on Columbia mountain, Montana mining district, near town of Lawson; one shaft 40 feet deep.

Dubuque. A. S. Benne, W. G. Wakefield and John C. Easley, proprietors; office, Spanish Bar; claim, 150 by 1500 feet; located 1878; situated on Dubuque mountain, Spanish Bar mining district, near town of Fall River, forty-one miles from Denver; course of vein, northwest and southeast; width, 12 feet, pitch, 30° northeast, pay vein, 4 feet; nature of ore, copper and iron pyrites; average value, $100 per ton; main shaft, 25 feet deep.

Dunderburg. Owned by James Peck & Sons; office, Empire; claim, 150 by 1500 feet; located 1863; situated on Silver mountain, Upper Union mining district, one mile from Georgetown; vertical vein, running northeast and southwest; width, 3 feet; nature of ore, iron and copper pyrites; average value, $60 per ton; main shaft, 20 feet deep; one tunnel, 80 feet in length; total yield, $3,000.

Dunderburg. Owned by Thos. C. Old; office, Georgetown; claim, 150 by 3000 feet, patented; located 1868; situated on Sherman mountain, near town of Brownville, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest, width, 3 feet, pitch, 5° north, three pay veins, averaging 6, 12 and 20, inches respectively; nature of ore, galena, gray copper, and ruby silver, average value, $248.60 per ton; main shaft, 160 feet and one other shaft 120 feet deep, one tunnel, 40 feet in length at the end of which is a shaft, 50 feet deep, two adits, 180 and 280 feet in length, respectively; two winzes connecting adits, 60 feet each; shaft house, 25 by 35 feet; total yield, from December 8, 1877, to June 1, 1878, $147,000, which was taken out, at a cost of 20 per cent of the yield.

Dunkirk. Owned by the Herman Mining Co.; capital stock, $200,000 none of which has been sold for less than par value; John D. Dix, prest., Benjamin F. Morris, vice-prest., George W. Dix, sec., Charles H. Morris, supt.; claim, 150 by 1400 feet, patented; discovered 1874; situated on Republican mountain, Griffith mining district, near town of Silver Plume, three miles from Georgetown; course of vein, nearly east and west, width, 100 feet, pay vein, 1 to 24 inches, pitch 35° north; nature of ore, iron and copper pyrites, galena, gray copper, zinc blende, wire silver and silver glance; main shaft, 400 feet deep, aggregate depth of other shafting, 200 feet; three levels, aggregating 600 feet in length, and 300 feet of cross-cutting; shaft and engine house, 20 by 70 feet containing a 20-horse power reversible engine, and a steam pump having a capacity for raising 40 gallons of water per minute for a depth of 600 feet.

Eagan Tunnel. situated on Republican mountain, near town of Silver Plume, Griffith mining district, three miles from Georgetown.

Eagle Bird. Owned by Lewis C. Rockwell; office, Central City; claim, 50 by 1400 feet, patented; discovered 1869; situated on Sherman mountain, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest, width, 9 feet, pay vein, 7 inches; nature of ore, galena and zinc blende, average value, 150 ounces silver per ton; two shafts, aggregate depth, 256 feet.

East Roe Silver Mining Co., incorporated June 23, 1875; capital stock, $150,000, in 1,500 shares, $10 each; offices, Georgetown and Denver, Colo.; organized by Sam'l Watson, William H. Cushman, William M. Clark, Benjamin F. Napheys and Aaron B. Robbins.

Eclipse. Owned by the Goetzel Silver Mining Co.; office, Georgetown; claim, 50 by 1500 feet, patented; located 1865; situated in Griffith mining district, near Georgetown; course of vein, northeast and southwest, width, 2 feet, pay vein, 10 inches; nature of ore, galena, average value, 240 ounces silver per ton, main shaft, 140 feet deep, one tunnel, 300 feet in length.

Edgar Owned by the Edgar Mining Co.; office, Louisville, Ky.; claim, 150 by 1500 feet; situated in Hukill gulch, Spanish Bar mining district, two miles from Idaho Springs; vertical vein, running north and south, width, 4 feet, pay vein, 10 inches; nature of ore, iron pyrites and galena; main shaft, 50 feet deep; two adits, 105 and 200 feet in length, respectively; yield, $10,000.

Edgar. Owned by David N. Smith, of Georgetown; claim, 150 by 1500 feet, patented; located

1871; situated on Democrat mountain, Griffith mining district, one mile from Georgetown; course of vein, northeast and southwest, width, 5 feet, pitch, north, pay vein, 1 to 8 inches; nature of ore, galena and sulphurets; main shaft, 125 feet deep, one level, 100 feet in length.

Edwards, Placer. Owned by John W. Edwards, of Idaho Springs; claim, consist of 24 acres of patented ground; situated on Chicago creek, near Idaho Springs, thirty-three miles from Denver. It is worked by hydraulic pressure, and has yielded to date, $100,000; also, a claim of 500 by 2500 feet, which is worked by an engine of 16-horse power, situated in Spring gulch, one mile from Idaho Springs.

Edweni. Owned by Carver J. Goss, of Denver; claim, 50 by 1,500 feet; located, 1867; situated near the town of Brownville, on Brown mountain, Griffith mining district, 3 miles from Georgetown; vertical vein, running northeast and sonthwest; width 16 feet; pay vein, 3 inches; nature of ore, galena and sulphurets, average value, 725 ounces silver per ton; one shaft, 50 feet deep, one tunnel, 75 feet in length and 50 feet from surface, one level, 20 feet in length.

Elliot. Owned by B. R. Elliot and E. Staples; office, Georgetown; claim, 150 by 1500 feet; located, 1872; situated on Republican mountain, Griffith mining district, 2 miles from Georgetown; course of vein, northeast and southwest, width, 4 feet, pay vein, 10 inches; nature of ore, galena, average value, $215 per ton; one shaft, 35 feet deep.

Emma. Office, Gorgetown; claim, 50 by 1500 feet, patented; located, 1867; situated on Democrat mountain, Griffith mining district, 3 miles from Georgetown; course of vein, east and west, width, 35 feet, pay vein, 6 to 14 inches; nature of ore, galena, average value, 125 ounces silver per ton; main shaft, 48 feet deep.

Emma No. 2. Owned by Samuel Linscott, E. Harrison and H. Bronson; office, Georgetewn; claim, 150 by 1500 feet, patented; situated on Democrat mountain, Griffith mining district, two miles from Georgetown; course of vein, southwest and northeast, width, 10 feet, pay vein, 2 inches, pitch, 25° north; nature of ore, galena and gray copper; average value, $1,000 per ton; one shaft, 46 feet deep; total yield, $5,000.

Empire City. Owned by William Moore and others; office, Empire; claim, 150 by 1500 feet; located 1877; situated on Cavode mountain, Upper Union mining district, one mile from Georgetown; vertical vein, running northeast and southwest, width, 4 feet, pay vein 10 inches; nature of ore, free gold; value $400 per ton; four adits, 14, 43, 82 and 163 feet in length, respectively.

Empire Ditch and Placer Co., reorganized March 18, 1878; capital stock, $200,000, in 4000 shares of $50 each; office, Georgetown; organized by Frank M. Taylor, Timothy G. Negus and Robert S. Morrison.

Empire Mining Co., of Colorado, incorporated June 3, 1863; capital stock, $10,000,000, in 100,000 shares, $100 each; office, New York city; organized by Elijah Weston, Samuel W. Canfield, W.

W. Vanderbilt, A. M. Wilcox, Seth B. Cole, B. Franklin Clark, C. H. Wessell, William Thorpe and Robert Edwards.

Enterprise Tunnel and Mining Co., incorporated July 9, 1877; capital stock, $100,000, in 1000 shares, $100 each; office, Georgetown; trustees, Charles J. Morrill, Albert Townsend, Wiley E. Morrill, Henry Anderson, Henry Seifried, Henry E. Newcomb, Henry Thompson and John S. Holm; claim, 1500 by 3000 feet; located 1877; situated on Red Elephant mountain, Downieville mining district, one mile from town of Lawson and 45 miles from Denver; length of tunnel, 300 feet.

E Pluribus Unum. Owned by W. T. Reynolds and James A. Wilson; office, Georgetown; claim, 50 by 3000 feet; located 1868; situated on Sherman mountain, Griffith mining district, two miles from Georgetown; vertical vein, running east and west, width, 3 feet, pay vein, 12 inches; nature of ore, galena, average value, $300 per ton; one tunnel, 165 feet in length; 3 adits, aggregating 180 feet in legth; total yield, $12,000.

Equator. Owned by James Peck and Sons; office, Empire; claim, 150 by 1500 feet, patented; located 1864; situated on Silver mountain, Upper Union mining district, near town of Empire, one mile from Georgetown; vertical vein, trending northeast and southwest, width, 4 feet, pay vein one foot; nature of ore, iron and copper pyrites and free gold; average value, $75 per ton; main shaft, 75 feet deep; one tunnel 100 feet ln length; 12-stamp mill with a capacity for treating ten tons of ore daily; yield to date, $6,000.

Equator. Owned by the Equator Mining and Smelting Co., organized under the laws of the State of Illinois, October 29, 1878; capital stock, $300,000, in 3000 shares, $100 each; offices, Georgetown, Colorado, and Chicago, Illinois; William O. Carpenter, prest., John Turck, vice-prest., James B. Goodman, sec. and treas., H. S. Kearney, agt. and supt.; the property of this company is situated on Leavenworth mountain, Griffith mining district, two miles from Georgetown; it comprises the Equator, Munsell, Halcyon, Hunter and other lodes of minor importance, together with a good water power and fifteen acres of ground, suitable for building and other purposes; the Equator claim is 50 by 1400 feet, patented; located July 28, 1866; the vein is nearly vertical, trends northeast and southwest, is from one to two hundred feet wide and has pay veins from 1 to 18 inches; the ore is gray copper and galena, and averages $400 per ton; it is developed by a main shaft 450 feet deep, drifts aggregating 4000 feet in length, and a cross cut tunnel 100 feet in length which will intersect the vein at a distance of 1000 feet from the mouth and at a depth of 550 feet from the surface; the surface improvements consist of a shaft house 30 by 80 feet, a 25 horse-power engine and hoisting apparatus, and an ore house 15 by 40 feet; total yield, $1,000,000.

Essex. Owned by Wm. Howe, William Shehan, William and Edward Horrigan; claim, 150 by 1500 feet; located 1877; situated on Brown mountain, above timber line, three miles from Georgetown; width of vein, 8 feet, pay vein, 6 inches; main shaft, 40 feet deep.

Excelsior. Owned by Marshall Hollister and William Thompson; office, Georgetown; claim, 150 by 1500 feet; situated on Red Elephant mountain, Downieville mining district, six miles from Georgetown; course of vein, east and west, width, 25 feet, pay vein, 1 to 18 inches; nature of ore, galena and copper pyrites; value, 75 ounces silver per ton; one shaft, 35 feet deep; one tunnel, 140 feet in length.

Excelsior. William Baker, proprietor; office, Georgetown; claim, 150 by 1400 feet, located 1870; situated on Leavenworth mountain, Griffith mining district, near Silverdale, three miles from Georgetown; course of vein, east and west, width, 20 feet, pay vein, 2 feet, pitch, north; nature of ore, sulphurets, average value, 300 ounces silver per ton; main shaft, 50 feet deep; one tunnel, 200 feet in length.

Fairmount. Owned by the estate of John W. Thackeray; claim, 50 by 3000 feet, patented; located 1865; situated on Schaffter mountain, Spanish Bar mining district, two miles from Idaho Springs; vertical vein, running northeast and southwest, width, 5 feet, pay vein, 18 inches; nature of ore, iron and copper pyrites, average value, $200 per ton; one shaft, 115 feet deep; two levels, aggregate length, 380 feet; total yield, $18,000.

Fall River Placer Mining Co. John M. Osborn, A. S. Bennett & Co.; claim, 160 acres of ground, situated in Fall river gulch, near town of Fall River, forty-one miles from Denver.

Federal. Charles R. Fish & Co., proprietors; office, Georgetown; claim, 50 by 1400 feet, patented; located 1870; situated on Griffith mountain, Griffith mining district, one mile from Georgetown; vertical vein, running northeast and southwest, width, 4 feet, pay vein, 10 inches; nature of ore, sulphurets and silver glance, average value, $500 per ton; aggregate depth of shafts, 295 feet, four adits, 50, 70, 100 and 130 feet in length, respectively; yield, $10,000.

Fenian Star. Owned by John E. Morris, M. J. McKinley, Robert Morris and W. Hart; office, Idaho Springs; claim, 150 by 1400 feet; located 1866; situated on Hukill gulch, Spanish Bar mining district, two miles from Idaho Springs; course of vein, northeast and southwest, width, 4 feet, pay vein, 16 inches; one shaft, 40 feet deep, two tunnels, aggregating 115 feet in length.

Flat Iron. Owned by George Lange, Thomas Renwick and George Arnold; office, Lawson; claim, 150 by 900 feet, situated on Columbia mountain, Downieville mining district, forty-five miles from Denver; course of vein, east and west; width, 30 feet, pay vein, 24 inches; nature of ore, galena and silver glance, average value, $300 per ton; main shaft, 40 feet deep, one adit, 250 feet in length; ore house, 10 by 15 feet.

Fletcher, Matilda. Owned by Ruben Morseman, Joseph Powers and William Clark; office, Georgetown; claim, 50 by 1500 feet, patented; located 1870; situated on Democrat mountain, three miles from Georgetown; course of vein, east and west, width, 12 feet, pay vein, 24 inches, pitch, southwest; nature of ore, galena and sulphurets of silver, average value, 180 ounces silver per ton; one shaft, 100 feet deep, two tunnels, aggregating 900 feet in length.

Forest Queen. R. W. Chinn & Co., proprietors; office, Lawson; claim, 150 by 1500 feet; located 1878; situated on Columbia mountain, Montana mining district, one mile from Lawson and forty-six miles from Denver; one shaft, 40 feet deep.

Fortunatus. West Argentine Mining Co., proprietors, John A. Stacey, prest., William H. Baldwin, sec., Charles P. Baldwin, supt.; office, Georgetown; claim, 50 by 1500 feet, patented; located 1865; situated on Kelso mountain, Argentine mining district, 4 miles from Bakerville, and 12 miles from Georgetown; width of vein, 6 feet, pay vein, 1 to 6 inches; nature of ore, galena and gray copper, average value, 285 ounces silver per ton; main shaft, 25 feet deep, one level 30 feet long.

Fountain. Owned by William Baker, of Georgetown; claim, 150 by 1400 feet; located 1872; situated on Leavenworth mountain, Griffith mining district, three miles from Georgetown; course of vein, east and west, pay vein, 1 to 5 feet; nature of ore, galena, average value, 200 ounces silver per ton; main shaft, 65 feet deep.

Free America. James I. and Joseph Gilbert, proprietors; office, Georgetown; claim, 150 by 1500 feet, patented; located 1877; situated on Red Elephant mountain Downieville mining district, one mile from Lawson; cuorse of vein, northeast and southwest, average width, 35 feet, pitch, 10° north, pay vein, 4 to 20 inches; nature of ore, galena, gray copper and native silver, average value, 150 ounces silver per ton; main shaft, 300 feet deep; 4 levels, 100, 160, 220 and 280 feet from surface, respectively, aggregating 700 feet in length; total yield, $135,000.

Freeland. John M. Dumont, and Edwin S. Platt, proprietors; office, Spanish Bar; claim, 1500 by 2600 feet, patented; located 1860; situated 2½ miles from the mouth of Trail creek, 2½ miles from Fall River, and 40 miles from Denver; course of vein, northeast and southwest, average width, 7 feet, pitch, 45° north, pay vein, 18 inches; nature of ore, iron and copper pyrites, average value of first class ore, $100, second class, $60 and third class, $40 per ton; main shaft, 100 feet deep; 4 adits 15, 400, 650 and 750 feet in length, respectively; shaft house, 30 by 45 feet; in the ore house of this mine is stored 1000 tons of assorted ore, ready for market.

French Mining Co., incorporated April 1, 1872; capital stock, $25,000, in 500 shares, $50 each; office, Georgetown; organized by Antoine Roy, Pierre Beaupri, Saline Virginia, Napoleon Leduc, Onesine Chamberland, John Dupuis and others.

Frostburgh. Owned by Zadock Kalbaugh and W. W. Wrigley; office, Georgetown; claim, 50 by 1400 feet, patented; located 1866; situated on Sherman mountain, near Silver Plume, Griffith mining district, 3 miles from Georgetown; course of vein, northeast and southwest, width 4 feet, pitch 10°

north, pay vein, 1 to 10 inches; nature of ore, galena and sulphurets, average value, 375 ounces silver per ton; one shaft, 40 feet deep, one level, 50 feet in length.

Gage, James A. Owned by the Herman Mining Co., New York, John D. Dix, prest., Benjamin F. Morris, vice-prest., George W. Dix, sec., Charles H. Morris, supt.; capital stock, $200,000, none of which has been sold for less than par value; offices, Georgetown, Colorado, and New York city; claim, 50 by 1500 feet, patented; discovered 1869; situated on Republican mountain, near town of Silver Plume, three miles from Georgetown; course of vein, east and west, width, 80 feet, pay vein, 1 foot, pitch, 40° north; nature of ore, zinc blende and galena, average value, 400 ounces silver per ton; main shaft, 160 feet deep, one tunnel, 20 feet, and one drift 40 feet in length.

Galio. William Teller, proprietor; office, Denver; claim, 50 by 1500 feet, patented; situated on Griffith mountain, Griffith mining district, two miles from Georgetown; width of vein 4 feet, average value of ore, $75 per ton; main shaft, 80 feet deep, one tunnel, 150 feet in length.

Galena, Owned by G. Wakefield and Simon Tyre; office, Fall River; claim, 150 by 1500 feet; located 1878; situated in Spring gulch, Morris mining district, two miles from Idaho Springs; course of vein, northeast and southwest, width 4 feet, pay vein, 5 inches, pitch, 30° north; nature of ore, native copper and galena, average value, $50 per ton; one shaft 40 feet deep, one tunnel 45 feet in length.

Garno. Situated on Kelso mountain, eight miles from Georgetown; developed by a shaft 50 feet in depth which shows a vein 3 feet in width; the nature of the ore is carbonate of copper, gray copper and galena, average value 200 ounces silver per ton.

General J. H. Harney. Owned by the Lebanon Mining Co., Julius G. Pohle, supt.; office, Georgetown; claim, 50 by 1600 feet, patented; situated on Republican mountain, Griffith mining district, one mile from Georgetown; vertical vein, trending northeast and southwest, width, 6 feet, pay vein, 6 inches; nature of ore, galena, average value, 80 ounces silver per ton; main shaft, 50 feet deep, one tunnel, 40 feet in length.

General Marion. Owned by W. H. and H. B. Johnson, Dr. Vandervort, W. F. and G. O. Huff, office, Georgetown; claim, 150 by 700 feet; located 1867; situated on Leavenworth mountain, Griffith mining district, two miles from Georgetown; course of vein, northeast and southwest, width, 8 feet, pay vein, 3 to 8 inches, pitch, 5° north; nature of ore, galena, average value, 150 ounces silver per ton; main shaft, 40 feet deep, one level, 30 feet in length.

General Marshall. Owned by the Lebanon Mining Co., Julius G. Pohle, supt.; office, Georgetown; claim, 50 by 1600 feet; discovered 1865; situated on Republican mountain, one mile from Georgetown; course of vein, northeast and southwest, width, 6 feet, pay vein, 1 to 12 inches; pitch, 10° north; nature of ore, galena, average value, 300 ounces silver per ton; one shaft 40 feet deep.

General Scott. Owned by J. H. Rogers, J. Shields, and W. C. Hicock; office, Georgetown; claim, 50 by 1500 feet, patented; located 1866; situated on Democrat mountain, two miles from Georgetown; course of vein, northeast and southwest, width 22 feet, pitch, north, pay vein, 1 to 8 inches; nature of ore, sulphurets, average value, 145 ounces silver per ton; main shaft 20 feet deep, 1 tunnel, 25 feet in length.

German. John Tubb, proprietor; office, Central City; claim, 100 by 1200 feet; discovered 1865; situated on Bellevieu mountain, Virginia mining district, 3 miles from Central City; course of vein, northeast and southwest, width, 2½ feet; nature of ore, galena and iron pyrites, average value, 5 ounces gold per cord; main shaft, 120 feet deep, one level, 60 feet in length and 90 feet from surface.

Gilman. Owned by the Planet Silver Mining Co.; office, Georgetown; claim, 900 linear feet; situated head of Geneva gulch, Argentine mining district, 15 miles from Georgetown; vertical vein, running northeast and southwest, width of pay vein, 1 to 18 inches; nature of ore, galena, gray copper and iron and copper pyrites, average value, 100 ounces silver per ton; main shaft 40 feet deep, 2 levels, 40 and 100 feet, respectively, aggregating 500 feet in length; total yield, $10,000.

Glasgow. Situated on Brown mountain, Griffith and Queen mining districts, 3 miles from Georgetown.

Globe. Owned by J. B. Johnson, O. E. Clark, David and George Meyers; office, Georgetown; claim, 150 by 450 feet; located 1877; situated on Leavenworth mountain, East Argentine mining district, 9 miles from Georgetown; vertical vein, running north and south; width, 5 feet, pay vein, 18 inches; nature of ore, galena, average value, $85 per ton; one shaft, 20 feet deep.

Goetzel Silver Mining Co., incorporated Oct. 19, 1870; capital stock $1,000,000, in 10,000 shares, $100 each; office, New York city; organized by Mathias Goetzel, Edward L. Lynch, C. C. Schieffendecker, Frederick Leposin, Louis Gaiser, G. M. Van Buren and Joseph Boh.

Gold Dirt. Owned by James Peck & Sons; office, Empire; claim, 150 by 1000 feet; located 1864; situated on Silver mountain, Upper Union mining district, 1 mile from Georgetown; vertical vein, running north and south, width, 6 feet, pay vein, 20 inches; nature of ore, iron and copper pyrites and free gold, average value, $80 per cord; main shaft, 40 feet deep, 1 level 30 feet and 1 tunnel 100 feet in length.

Gold Eagle. Owned by William Moore and others; office, Empire; claim, 150 by 1500 feet; located 1860; situated on Silver mountain, Upper Union mining district, 2 miles from Georgetown; vertical vein, running northeast and southwest, width, 15 feet, pay vein, 18 inches; nature of ore, free gold, average value, $75 per ton, 3 adits, 48, 65 and 80 feet in length, respectively; total yield, $65,000.

Gold King. Owned by G. W. Cowles & Co.; office, Empire; claim, 150 by 1500 feet; located 1876; situated on Silver mountain, Upper Union mining district, 3 miles from Georgetown; vertical vein, running north and south, width, 4 feet, pay vein, 8 to 12 inches; nature of ore, free gold, iron and copper pyrites, average value, $244 per cord; aggregate depth of shafts, 110 feet, aggregate length of adits, 140 feet; total yield, $12,000.

Golden Era. Owned by G. W. Cowles & Co.; office, Empire; claim, 150 by 1500 feet; located 1876; situated on Silver mountain, Upper Union mining district, 3 miles from Georgetown; vertical vein, running northwest and southeast, width 3 feet, pay vein, 16 to 20 inches; nature of ore, iron and copper pyrites and free gold, average value, $200 per cord; main shaft 40 feet deep; aggregate length of levels, 90 feet, one tunnel 60 feet in length.

Golden Wing. Edward W. Williams, William and Edward Jones and Owen Hughes, proprietors; office, Central City; claim, 150 by 1500 feet; located 1877; situated on Bellevieu mountain, Idaho mining district, 3 miles from Central City; course of vein, northeast and southwest, width, 4 feet, pitch, 25° north, pay vein, 1 foot; nature of ore, iron and copper pyrites, average value of mill ore, 20 ounces gold per cord; main shaft, 40 feet deep.

Good Enough. Owned by N. J. Moss and W. A. Doyle; office, Lawson; claim, 150 by 1500 feet; located 1878; situated on Columbia moutain, Montana mining district, 6 miles from Georgetown; one shaft 25 feet deep.

Goshen. Owned by Frank Hood, William S. Smith and B. Devotie; office, Georgetown; claim, 150 by 3000 feet; located 1870; situated on Columbia mountain, 1 mile from Lawson; course of vein, northeast and southwest, width 4 feet, pitch 40° north, pay vein, 12 inches; nature of ore, galena and gray copper, average value, 150 ounces silver per ton; 2 adits, aggregate length 100 feet, 1 tunnel 60 feet in length.

Goss. Owned by Carver J. Goss of Denver; claim, 50 by 1500 feet; located 1867; situated on Brown mountain, Griffith mining district, 3 miles from Georgetown; course of vein, northeast and southwest, pitch 10° north, width, 3½ feet, pay vein, 2 inches; nature of ore, sulphurets, average value, 1200 ounces silver per ton; 1 shaft 45 feet deep; 2 tunnels, aggregate length 100 feet; 1 level 50 feet in length.

Grand Belcher Silver Mining Co., incorporated October 8, 1877; capital stock, $3,750,000, in 375,000 shares, $10 each; office, New York city; trustees, Frederick Leporieu, Mathias Goetzel, Thomas Baer, Levy Bernstein and Joseph Koch.

Grand View. Owned by H. C. Cowles, D. and C. Cross; office, Empire; claim, 150 by 150 feet; located 1876; situated on Silver mountain, Upper Union mining district, 2 miles from Georgetown, vertical vein, running northeast and southwest, width, 5 feet, pay vein, 1 foot; nature of ore, free gold, average value, $62 per cord; main shaft, 25 feet deep, 2 adits, 30 feet in length, respectively.

Grant. Lebanon Mining Co., proprietors; Julius G. Pohle, supt.; claim, 150 by 1500 feet, patented; located 1870; situated in Cascade mining district, 4 miles from Idaho Springs; vertical vein, running northeast and southwest, width, 20 feet, pay vein, 14 inches; nature of ore, galena and gray copper, average value, 150 ounces silver per ton; one shaft, 50 ft. deep.

Grant. Joseph Reynolds and James I. Gilbert, proprietors; office, Georgetown; claim, 150 by 1500 feet; located 1872; situated on Red Elephant mountain, Downieville mining district, 1 mile from Lawson; course of vein, northeast and southwest, width 8 feet, pitch, 15° north, pay vein, 1 to 20 inches; nature of ore, galena, gray copper and zinc blende, average value, $100 per ton; main shaft, 100 feet, and one other shaft 60 feet deep, 2 tunnels, 240 and 400 feet in length, respectively; total yield, $1,400.

Graves. Owned by Richard Baxter, of Baltimore; claim, 150 by 750 feet; located 1872; situated on Griffith mountain, Griffith mining district, 2 miles from Georgetown; course of vein, east and west, pitch 10° north; nature of ore, sulphurets, average value, 300 ounces silver per ton; 1 shaft, 50 feet deep.

Gray. Eli Gray, proprietor; office, Silverdale; claim, 150 by 1500 feet; located on Grays mountain, Griffith mining district, 3 miles from Georgetown; width of vein, 4 feet, pay streak, 2 feet, average value of ore, $200 per ton; main shaft, 18 feet deep.

Great Eastern. Owned by J. Mills, of Milwaukee; claim, 50 by 1500 feet, patented; located 1860; situated on Trail creek, 3 miles from Idaho Springs, in Trail Creek mining district; course of vein, northeast and southwest; one shaft, 100 feet deep.

Great Eastern. Owned by B. S. Stafford and J. Pratt; office, Georgetown; claim, 50 by 1500 feet, patented; located 1872; situated on Republican mountain, 3 miles from Georgetown; course of vein, northeast and southwest, width, 12 feet, pay vein, 1 to 20 inches, pitch, 10° south; nature of ore, galena and sulphurets, value, 200 to 700 ounces silver per ton; 1 shaft, 125 feet deep, 1 tunnel, 300 feet in length.

Great Eastern. Owned by B. S. Stafford and J. Pratt, of Georgetown; claim, 150 by 3000 feet; located 1868; situated on Sherman mountain, 3 miles from Georgetown, in Griffith mining district; course of vein, northeast and southwest, pitch, 45° north, width, 7 feet, pay vein, 10 inches; nature of ore, galena and gray copper, average value, 200 ounces silver per ton; main shaft 60 feet deep, 1 tunnel 90 feet in length; 1 level 100 feet long.

Great Mogul. Owned by George L. Cannon, of Idaho Springs; claim, 150 by 1500 feet; located 1872; situated on Bellevieu mountain, Fall River mining district, 2 miles from Idaho Springs, and 33 miles from Denver; course of vein, east and west, width, 5 feet, pay vein, 3 feet, pitch, 30° north; nature of ore, sulphurets of silver, average value, 100 ounces silver per ton; one shaft, 130 feet deep; one adit, 60 feet in length.

Great Republic. Owned by G. W. Cowles & Co.; office, Empire; claim, 150 by 1500 feet; located 1876; situated on Silver mountain, Upper Union mining district, 2 miles from Georgetown; vertical vein, running north and south, width, 7 feet; nature of ore, iron and copper pyrites and free gold, average value, $60 per cord; aggregate depth of shafts, 150 feet, one adit, 80 feet in length; yield to date, $10,000.

Greeley Mining Co., incorporated August 7, 1875; capital stock, $25,000, in 500 shares, $50 each; office, Greeley; organized by A. Z. Salomon, James F. Benedict, Daniel Hawkes, J. M. Freeman, Silas S. Kennedy and J. S. Barrett.

Greenback. Owned by Park Disbrow, of Empire; claim, 150 by 1500; located 1877; situated on Silver mounntain, Upper Union mining district, near town of Empire, 45 miles from Denver; course of vein, northeast and southwest, width, 4 feet, pay vein, 12 inches; nature of ore, free gold; average value, $175 per cord; one shaft, 69 feet deep, one tunnel, 65 feet in length, one level, 80 feet in length, total yield, $1,500.

Grinnell. G. W. Cowles & Co., proprietors; office, Empire; claim, 150 by 1500 feet; located 1875; situated on Silver mountain, Upper Union mining district, 2 miles from Georgetown; vertical vein, running east and west, width, 4 feet, pay vein, 10 to 14 inches; nature of ore, free gold, average value, $120 per ton; main shaft, 30 feet deep, one tunnel, 70 feet in length.

Gum Tree. Owned by Israel Stotts; claim, 150 by 1500 feet, patented; located 1860; situated at Spanish Bar, Trail Creek mining district, 15 miles from Georgetown; course of vein, northeast and southwest, width 4 feet, pay vein, 12 inches; nature of ore, iron and copper pyrites, average value, $100 per ton; one adit, 200 feet in length.

Gunboat. Situated on Brown mountain, Griffith and Queen mining districts 3 miles from Georgetown.

Guthrie, James. Owned by the Lebanon Mining Co., Julius G. Pohle, supt.; office, Georgetown; claim 50 by 1200 feet, patented; located on Republican mountain, Griffith mining district, one mile frm Georgetown; course of vein, northeast and southwest, width, 12 feet, pay vein, 4 to 15 inches, pitch 10° south; nature of ore, galena, average value, 500 ounces silver per ton; 2 shafts, aggregate depth 200 feet; 1 level, 140 feet in length; reached by the Lebanon tunnel at a distance of 450 feet from the mouth and intersected at a depth of 200 feet.

Halcyon. Owned by the Equator Silver Mining and Smelting Co., H. S. Kearney, agt. and supt.; claim, 50 by 1500 feet; discovered 1867; situated on Leavenworth mountain, Griffith mining district, 2 miles from Georgetown; developed by a shaft 50 feet deep, and a tunnel 80 feet in length.

Hansbrough. Owned by P. M. Hansbrough, Wm. Jones and Wm. Clark, of Georgetown; claim 150 by 1400 feet, patented; located 1876; situated on Democrat mountain, Griffith mining district, two miles from Georgetown; vertical vein, trending northwest and southeast, width, 6 feet, pay vein, 2 feet; nature of ore, galena and gray copper; average value, 218 ounces silver per ton; one shaft 45 feet deep; 2 tunnels, aggregate length 175 feet.

Harding, Benj. Owned by Lebanon Mining Co., Julius G. Pohle, supt.; office, Georgetown; claim, 50 by 1600 feet, patented; discovered 1865; situated on Republican mountain, Griffith mining district, one mile from Georgetown; course of vein, northeast and southwest, width, 20 feet, pay vein 4 inches, pitch 5° south; nature of ore, galena; average value, 500 ounces silver per ton; 3 shafts, aggregate depth, 240 feet; 3 levels, aggregate length, 800 feet; cross cut tunnel, 300 feet in length.

Hawkeye. Owned by William Moore and David Delaney; office, Georgetown; claim, 150 by 1500 feet; located 1873; situated on Red Elephant mountain, near town of Lawson, Downieville mining district, 45 miles from Denver; course of vein, northeast and southwest.

Helmick Silver Mining Co., of Colorado, incorporated Nov. 2, 1869; capital stock, $600,000, in 6000 shares, $100 each; office, Washington, D. C.; trustees, William Helmick, Samuel A. Pugh, Walter W. Burdett, Marks Lissburger, R. S. Lacey, F. Howard and N. M. Ross.

Helmick Tunnel Co., incorporated Jan. 20, 1876; capital stock, $400,000, in 4000 shares, $100 each; offices, Washington, D. C. and Georgetown, Colorado; organized by Flodvardo Howard, James W. Barker, William Helmick, Robert S. Lacey, B. Peyton Brown, Samuel A. Pugh and Charles A. Metcalf.

Henry. Owned by the Marshall Silver Mining Co., of Colorado; office, Georgetown; claim, 150 by 1500 feet; located 1878; situated on Leavenworth mountain, Griffith mining district, two miles from Georgetown; course of vein, northeast and southwest, width, 10 feet; nature of ore, galena and gray copper; one shaft, 25 feet deep.

Hercules. Owned by the Consolidated Hercules and Roe Silver Mining Co.; G. W. E. Griffith, prest., H. M. Griffin, vice-prest.; offiice, Denver; claim, 50 by 3000 feet, patented; located 1868; situated on Brown mountain, Griffith mining district, three miles from Georgetown; course of vein, east and west, width, 6 feet, pay vein, 6 inches, pitch 5° north; nature of ore, galena and gray copper, average value, 300 ounces silver per ton.

Hercules and Seven-Thirty Consolidated Silver Mining Co., incorporated Oct. 2, 1875; capital stock, $150,000, in 1500 shares, $10 each; office, Georgetown; organized by Horace Watkins, John R. Hambel, Charles T. Bellamy and William M. Clark.

Herkimer. Owned by B. F., Egbert and Albert Johnson; office, Denver; claim, 50 by 1200 feet, patented; situated on the south branch of South Clear Creek, Griffith mining district, one mile and a half from Georgetown; nature of ore, argentiferous galena; developed by a shaft 70 feet deep and a surface opening 60 feet in length; five hundred pounds of ore from this mine yielded 180 ounces of pure silver, worth $241.20 in coin and at the rate of $964.80 per ton; a good tunnel site and water power can be obtained on this property.

Herman Mining Co., organized under the laws of the State of New York, capital stock, $200,000, John D. Dix prest., Benjamin F. Morris vice-prest., George

W. Dix sec., Chares H. Morris supt., offices, Georgetown, Colorado, and New York city.

Hickman. Owned by the Silver Plume Mining Co., London, England; office, Georgetown; claim, 50 by 3000 feet, patented; located 1865; situated on Republican mountain, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest, width, 3 feet, pay vein, 5 inches, pitch 15° north; nature of ore, galena and gray copper; one shaft 120 feet deep, one level 100 feet in length.

High Grade. George L. Cannon, proprietor; office, Idaho Springs; claim, 150 by 1500 feet, located 1873, situated on Schafftter mountain, Idaho mining district, near town of Idaho Springs, 33 miles from Denver; vertical vein, running northeast and southwest, width, 4 feet, pay vein, 16 inches; nature of ore, galena, average value, $184 per ton; one adit 340 feet in length.

Highland Chief. Charles C. Welch, David C. Crawford, James F. Devere and R. W. Chinn, proprietors; office, Denver; claim, 150 by 1500 feet; located 1877; situated on Columbia mountain, Montana mining district, one mile from town of Lawson and 46 miles from Denver.

Hise, Elijah. Owned by the Lebanon Mining Co., Julius G. Pohle, supt.; office, Georgetown; claim, 50 by 1600 feet, patented; located 1865; situated on Republican mountain, Griffith mining district, one mile from Georgetown; course of vein, northeast and southwest, width, 9 feet, pay vein, 6 inches, pitch 10° north, nature of ore, galena, average value 300 ounces silver per ton; main shaft 110 feet deep, three levels, aggregating 500 feet in length.

Hobart. Charles P. Baldwin and Samuel Swett, proprietors; office, Georgetown; claim, 150 by 1500 feet; located 1877; situated on Columbia mountain, Griffith mining district, two miles from Georgetown; course of vein, north and south, pitch west; nature of ore, carbonate of copper and gray copper, average value, 225 ounces silver per ton; two shafts, aggregate depth 50 feet, one level 40 feet in length.

Home Stake. Owned by James McIntosh, H. Hartzel and J. L. Wilson; office, Lawson; claim, 150 by 1500 feet; located 1878; situated on Columbia mountain, Montana mining district, 46 miles from Denver; vertical vein, running east and west, width, 4 feet, pay vein, 14 inches; nature of ore, galena and sulphurets; average value, 200 ounces silver per ton; one shaft 54 feet deep.

Home Mining Association of Colorado Springs, incorporated February 29, 1876; capital stock, $25,000 in 2500 shares, $10 each; office, Idaho Springs; organized by Matthew O. Coddington, James C. Wright, Abram M. Noxon, John A. Dory and Romeo D. Strong.

Hoodon. Charles H. Myers and John W. Gilbert, proprietors; office, Georgetown; claim, 150 by 1500 feet; located 1877; situated on Kelso mountain, West Argentine mining district, nine miles from Georgetown; vertical vein, running north and south; width, 6 feet, pay vein, 8 inches, nature of ore, galena and copper pyrites, average value, $115 per ton; one adit 125 feet in length.

Howdah. Owned by Wm. Riley and R. Cunningham; office, Georgetown; claim, 150 by 1500 feet; discovered 1876; situated on Democrat mountain, Griffith mining district, three miles from Georgetown; width of vein, 20 feet, pay streak, 6 inches; average value of ore, 550 ounces silver per ton; main shaft, 50 feet deep, one tunnel 330 feet, and 2 levels aggregating 180 feet in length.

Hugo. Charles C. Welch, David C. Crawford, James F. and R. W. Chinn, proprietors; office, Denver; claim, 150 by 1500 feet, located 1877; situated on Columbia mountain, Montana mining district, one mile from town of Lawson and forty-six miles from Denver; course of vein, northeast and southwest, width, 4 feet, pitch, 30° north; nature of ore, galena and carbonate of copper, average value $114 per ton; one shaft, 25 feet deep.

Hukill. Owned by the Hukill Gold and Silver Mining Co. of Colorado, incorporated June 28, 1876; capital stock, $1,000,000 in 100,000 shares, $10 each; offices, Idaho Springs, Colorado, and 17 Broad street, New York; J. L. Brownell, prest., John De Lano, sec.; claim, 50 by 1288 feet, patented; located 1865; situated on Hukill hill, Spanish Bar mining district, near town of Idaho Springs; course of vein, east and west, width 5 feet, pay vein, 6 inches, pitch north; nature of ore, galena, average value, 115 ounces silver per ton; 10 shafts, aggregate depth 800 feet, one tunnel 300 feet in length, three levels, aggregate length 800 feet.

Huldah. West Argentine Mining Co., proprietors, John A. Stacy, prest., William H. Baldwin, sec., Charles P. Baldwin, supt.; office, Georgetown; claim, 50 by 1600 feet, patented; located 1865; situated on Kelso nountain, above timber line, Argentine mining district, four miles from Bakerville and twelve miles from Georgetown; width of vein, 30 feet, pay vein one to 12 inches; nature of ore, galena, zinc-blende iron and copper pyrites, average value, 125 ounces silver per ton; main shaft 150 feet deep, one tunnel 30 feet in length, 3 levels aggregate length 166 feet.

Hunter. Owned by the Equator Mining and Smelting Co., H. S. Kearney agent and supt.; offices, Georgetown, Colorado, and Chicago, Illinois; claim, 150 by 1400 feet; discovered 1878; situated on Leavenworth mountain, Griffith mining district, two miles from Georgetown; developed by a tunnel 100 feet in length and a shaft 60 feet deep.

Independent Silver Mining Co., incorporated November 1, 1876; capital stock $150,000, in 1500 shares $100 each; office, Georgetown; organized by James Oscar Stewart, Anthony J. August and Charles W. Burdsal.

International. Owned by the Hukill Silver Mining Co.; office, Georgetown; claim, 50 by 1500 feet, patented; located 1865; situated on McClelland mountain, Argentine mining district, seven miles from Georgetown; width of vein, 5 feet, pay streak, 8 inches; one shaft, 100 feet deep, one tunnel, 900 feet in length.

Iowa. Owned by David N. Smith, W. M. Fletcher and Peter

Shively; office, Georgetown; claim, 150 by 1500 feet, patented; located 1877; situated on Red Elephant mountain, Downieville mining district, one mile from Lawson and six miles from Georgetown; course of vein, northeast and southwest, width, 4 feet, pay vein, 2 feet, pitch, 45° northwest; nature of ore, galena, average value, 100 ounces silver per ton; main shaft, 150 feet deep.

James. Owned by R. C. Moore, P. M. McCrellis and A. F. James; office, Georgetown; claim, 150 by 1500 feet; located 1877; situated on Red Elephant mountain, one mile from town of Lawson, Downieville mining district, six miles from Georgetown; course of vein, east and west, pitch, 20° north, width, 20 feet, pay vein, 8 inches; nature of ore, galena, average value, $50 per ton; one shaft, 130 feet deep, one level, 110 feet in length; shaft house, 37 by 24 feet.

Johnston, Joseph E. Lebanon Mining Co., proprietors, Julius G. Pohle, supt.; office, Georgetown; claim, 150 by 1500 feet; located 1872; situated on the north side of Leavenworth mountain, Griffith mining district, one mile from Georgetown; vertical vein, running northeast and southwest; width, 8 feet, pay vein, 6 inches; nature of ore, galena, average value, 120 ounces silver per ton; one shaft, 40 feet deep.

Jones, John Paul. Owned by S. H. White, of Idaho Springs; claim, 150 by 1400 feet; located 1866, situated in Virginia cañon, near Idaho Springs; vertical vein, running northeast and southwest; width, 5 feet, pay vein, 20 inches; nature of ore, iron and copper pyrites and galena, average value, $60 per ton; one shaft, 60 feet deep, one adit, 160 feet in length.

Jordan. Owned by Patrick McNulty, of Georgetown; claim, 150 by 1500 feet, patented; located 1875; situated on Democrat mountain, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest, width 10 feet, pay vein, 6 inches; nature of ore, galena, average value, 250 ounces silver per ton; one tunnel, 150 feet in length.

Judd and Crosby Silver Reducing and Mining Co., incorporated April 7, 1873; capital stock $160,000, in 1,600 shares, $100 each; offices, Georgetown, Colorado, and Chicago, Ills.; organized by Norman B. Judd, William H. Cushman, F. W. Crosby, Leonard G. Calkins and Robert O. Old.

Junction. Owned by William P. Lynn, of Georgetown; claim, 150 by 1500 feet; located 1877; situated on Leavenworth mountain. Griffiith mining district, two miles from Georgetown; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, 14 inches; nature of ore, sulphurets, average value, 105 ounces silver per ton, one shaft 40 feet deep.

Kanawha. Owned by G. G. White & Co., of Georgetown; claim, 150 by 1500 feet; located 1878; situated on Miller mountain, two miles from Georgetown; course of vein, east and west, width, 5 feet, pitch, 10° north; nature of ore, galena, average value $125 per ton; main shaft, 66 feet deep.

Kansas and Colorado Mining and Milling Co., incorporated

November 4, 1876; capital stock, $50,000, in 2,000 shares, $50 each; office, Mill City; organized by Justin E. Dubois, C. B. Keith, Edwin Bowden, August Blackman, Thomas Pearce and Simon Dingle.

Kansberg. Owned by E. Harrison and M. J. Morrison; office, Georgetown; claim, 150 by 1500 feet, patented; located 1873; situated on Democrat mountain, Griffith mining district, two miles from Georgetown; course of vein, east and west, width, 7 feet, pay vein, two to 4 inches, pitch 5° south; nature of ore, galena and gray copper, average value, $600 per ton; one shaft 100 feet deep, one adit, 140 feet in length.

Kirtley Tunnel Mining Co, Jeremiah Kirtley, J. N. Roberts, A. Medley, Charles A. Martine and E. S. Weaver; claim, 150 by 1500 feet, patented; located 1877; situated on Leavenworth mountain, Griffith mining district, three miles from Georgetown; length of tunnel 700 feet; width of vein, 6 feet; average value of ore, 275 ounces silver per ton; main shaft 30 feet deep, one level 100 feet in length.

La Crosse, Owned by W. N. Webster, W. H. Doyle, Daniel Drummond, R. W. Tallman and N. J. Morse; office, Lawson; claim, 150 by 3000 feet; located 1878; situated on Columbia mountain, Montana mining district, two miles from Lawson; course of vein, northeast and southwest, width 6 feet, pitch 10° north, pay vein, 5 inches; nature of ore, galena, average value, 105 ounces silver ton; 3 shafts, aggregate depth 74 feet.

Lady Anna. Owned by the Lebanon Mining Co., Julius G. Pohle, supt., offices, Georgetown, Colorado and New York city; claim, 50 by 1500 feet; located 1870; situated on Republican mountain, Griffith mining district; two miles from Georgetown; course of vein, northeast and southwest; width, 4 feet; nature of ore, galena, average value, 200 ounces silver per ton; one tunnel, 100 feet in length.

Lady Augusta. Owned by the Lebanon Mining Co., Julius G. Pohle, supt.; offices, Georgetown, Colorado and New York city; claim, 150 by 1500 feet; located 1870; situated on Republican mountain, Griffith mining district, two miles from Georgetown; course of vein, northeast and southwest, width, 4 feet, pitch northwest; nature of ore, galena, assay value, 600 to 800 ounces silver per ton; main shaft, 10 feet deep, one tunnel, 50 feet in length.

Lady Emma. Lebanon Mining Co., proprietors; Julius G. Pohle, supt.; office, Georgetown; claim, 50 by 1500 feet; located 1870; situated in Cascade mining district, four miles from Idaho Springs; course of vein, northeast and southwest, width, 8 feet, pitch northwest, pay vein, 8 inches; nature of ore, galena and sulphurets, average value, 300 ounces silver per ton; one shaft, 60 feet deep.

Lafayette. Owned by William Baker, of Georgetown; claim, 150 by 1500 feet; located 1873; situated on Leavenworth mountain, Griffith mining district, three miles from Georgetown; course of vein, east and west, width, 10 feet, pitch 15° north, pay vein, 10 inches; nature of ore, sulphurets and gray copper, value, 1,170 ounces silver per ton; main shaft, 45 feet deep, one level 25 feet in length.

Lafayette. Owned by George Berry and Co.; office, New York city; claim, 150 by 1500 feet; located 1878; situated on Clear Creek, Spanish Bar mining district, one mile from town of Idaho Springs; course of vein, northeast and southwest.

Lake Superior. Northwestern Silver Mining Co., proprietors; capital stock, $300,000, William L. Hadley, manager; office, Georgetown; claim, 50 by 800 feet, patented; located 1868; situated on the west face of Leavenworth mountain, Griffith mining district, half-mile from Georgetown; width of vein, 6 feet, pay vein, 18 inches; average value of ore, 60 ounces silver and 15 ounces gold per ton; one shaft, 150 feet deep.

Lancaster. Owned by John Tubb; office, Central City; claim, 150 by 1100 feet; discovered 1863; situated on Bellevieu mountain, Virginia mining district, three miles from Central City; width of vein, 18 inches, average value of ore, 6 ounces gold per cord; main shaft, 70 feet deep, one level, 50 feet in length and 40 feet from surface.

Lancaster. Owned by Du Bois Tooker & Co., of Georgetown; claim, 150 by 1500 feet; located 1877; situated on Red Elephant mountain, near town of Lawson, Downieville mining district, six miles from Georgetown; course of vein, southeast and northwest, width, 5 feet, pitch 30° north, pay vein, 10 inches; nature of ore, galena and copper pyrites, average value, $100 per ton; one shaft, 70 ft. deep, one tunnel, 75 ft. in length.

Last Chance. Owned by William Clark, of Silver Plume; claim, 150 by 1500 feet, patented; located 1872; situated on Republican mountain, Griffith mining district, two miles from Georgetown; course of vein, northeast and southwest, pitch north, width, 5 feet, pay vein, 4 inches; nature of ore, sulphurets, average value, 125 ounces silver per ton; one shaft 12 feet deep, one tunnel 175 feet in length.

Last Chance. Owned by the Colorado United Mining Co.; situated on Brown mountain, near Brownville, three miles from Georgetown.

Leavenworth Mountain Mining and Tunneling Co., incorporated June 12, 1873; capital stock, $1,000,000 in 10,000 shares, $100 each; office, Georgetown; organized by Howard C. Chapin, Charles H. Utter, David T. Griffith and F. J. Marshall.

Lebanon Tunnel. Owned by the Lebanon Mining Co., organized under the laws of the State of New York, October 24, 1870; capital stock, $1,000,000 in 10,000 shares, $100 each; Felix Stoiber, prest., Thomas Oliver, treas., Julius G. Pohle, supt. and resident director; offices, Georgetown, Colorado, and 229 Grand street, New York; claim, 150 by 3000 feet; located 1871; situated on Republican mountain, Griffith mining district, one mile from Georgetown; course of tunnel, north.28° west, length 830 feet; has cut 8 lodes at a depth of 80, 150, 150, 220, 250, 300, 400 and 450 feet respectively.

Lee, Robert E. Lebanon Mining Co., proprietors, Julius G. Pohle, supt.; office, Georgetown; claim, 150 by 1500 feet; located

1872; situated north side of Leavenworth mountain, Griffith mining district, one mile from Georgetown; vertical vein, running northeast and southwest, width, 4 feet, pay vein, 4 to 5 inches; nature of ore, sulphurets and gray copper, average value, 800 ounces silver per ton; one shaft 50 feet deep, one level 50 feet from surface and 40 feet in length.

Leviathan Tunnel. Owned by the Leviathan Tunnel Co., M. N. Robertson, manager; office, Grant Park Co., Colorado; claim, 1500 by 3000 feet; situated on Revenue mountain above timber line, Geneva mining district, fifteen miles from Georgetown; course of tunnel, north and south; has cut 5 lodes, and is 700 feet in length.

Lewis. B. N. Sanford, C. Strong and E. C. Guibor, proprietors; office, Empire; claim, 150 by 1500 feet; located in 1877; situated on Cavode mountain, Upper Union mining district, one mile from Georgetown; vertical vein, running northeast and southwest, width 4 feet, pay vein, 14 inches; nature of ore, hemitite iron, average value, $240 per ton; main shaft 20 feet deep, one adit 45 feet in length; total yield, $5,000.

Lincoln. Owned by John M. Dumont, of Spanish Bar; claim, 150 by 2450 feet, patented; located 1860; situated on Clear Creek, thirty-nine miles from Denver, in Spanish Bar mining district; course of vein, notheast and southwest, width, 4 feet, pitch 40° north; nature of ore, iron and copper pyrites, average value, $200 per ton; 3 shafts, aggregate depth 250 feet, one adit 225 feet in length.

Lynn Tunnel Co., of Georgetown Colorado; incorporated Nov. 8, 1869; capital stock $300,000, in 3000 shares, $100 each; offices, Georgetown and Denver, Colorado; trustees, Bela M. Hughes, J. W. Horner, W. P. Lynn, J. Harvy Jones and F. A. Pope.

Little Emma. Owned by Patrick McNulty, Charles W. Burdsal, V. E. Steward and John Cain; office, Georgetown; claim, 150 by 1500 feet, patented; located 1877; situated on Democrat mountain, Griffith mining district, three miles from Georgetown; course of vein, east and west, width, 4 feet, pay vein, 6 inches, pitch 35° north; nature of ore, galena, sulphurets of silver and pyrites of copper, value, $800 per ton; one shaft 40 feet deep, one tunnel 430 feet, and one level 180 feet in length.

Live Yankee. Owned by H. Henderson and J. H. Kirkland; office, Empire; claim 150 by 1500 feet; located 1867; situated on Columbia mountain, Montana mining district, near town of Lawson; vertical vein, running east and west, width, 3 feet, pay vein, 3 inches to 3 feet; nature of ore, galena, average value $140 per ton; main shaft, 90 feet deep, aggregate depth of other shafts, 80 feet.

Live Yankee, extension. Owned by the Akron Tunnel Co.; claim, 150 by 1500 feet, patented; located 1876; situated on Columbia mountain, Montana mining district, near town of Lawson, six miles from Georgetown; vertical vein, running east and west, width, 5 feet, pay vein, 10 inches; nature of ore, galena and gray copper; average value, $50 per ton; one shaft 25 feet deep, one tunnel 400 feet in length.

Livingston County. Owned by the Bay State Mining Co.; office, Boston, Mass.; W. L. Candler, supt.; claim, 50 by 800 feet; located 1862; situated on Silver mountain, near town of Empire, Upper Union mining district, two miles from Georgetown and fifty miles from Denver; course of vein, northeast and southwest, width, 4 feet, pitch 15° northwest; nature of ore, iron and copper pyrites, average value, $150 per cord; main shaft, 100 feet, and one other shaft 40 feet deep; one tunnel 950 feet in length; 12-stamp mill and machinery; yield to date, $200,000.

Loretta. Owned by the Central Iowa Silver Mining Co., Iowa; E. G. McMillan, prest., E. C. Rice, vice-prest., J. B. Stattler, sec., A. T. Burchard, treas., Frank L. Downend, supt.; claim, 150 by 750 feet; located 1872; situated near Silver Plume, on Republican mountain, three miles from Georgetown; course of vein, northeast and southwest, width, 18 feet, pitch 32° north, pay vein, 2½ feet, nature of ore galena, gray copper and sulpurets of silver; main shaft, 160 feet deep, two tunnels, aggregate length 175 feet, one level, 180 feet from surface and 106 feet in length.

Loretta, west extension. Owned by Frank L. Downend and Emanuel Hirsch; office, Georgetown; claim, 150 by 750 feet, located 1872; situated on Republican mountain, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest, width, 18 feet, pay vein, 2 feet, pitch north; nature of ore, galena, sulphurets of silver and gray copper; one shaft, 30 ft. deep.

Lucky Hesperus. Claim, 50 by 3000 feet, located 1867, situated on Democrat mountain, Griffith mining district, two miles from Georgetown; vertical vein, running northeast and southwest, width, 6 feet, pay vein, 7 inches; nature of ore, galena and gray copper, average value, 200 ounces silver per ton; main shaft, 489 feet deep, aggregate length of levels 450 feet.

Magnet. Situated on Griffith mountain; nature of ore, galena and sulphurets, value 200 ounces silver per ton; pay vein one inch to 2 feet.

Mahany Gold Mining Co., incorporated July 26, 1876; capital stock, $300,000 in 6000 shares $50 each; office, Georgetown; organized by James O. Stewart, Jeremiah Mahany and Louis C. Damarin.

Major Anderson. Owned by Benjamin F., Egbert and Albert Johnson; claim, 50 by 2,700 feet, patented; situated in Griffith mining district in the lower part of Georgetown, within one hundred rods of the Stewart Reduction Works; course of vein, northeast and southwest, width, 3 feet, pay vein, 4 inches, pitch south; nature of ore, galena and sulphurets; has ranged in value from $45 to over $900 to the ton, developed by two shafts, aggregating 140 feet in depth.

Mammoth and Glasgow Silver Mining Co., incorporated May 29, 1874; capital stock $500,000 in 5000 shares $100 each; office, Georgetown; organized by Frank W. Johns, Thomas C. Johns and James R. Polk Prindle.

Mammoth. Situated on Brown mountain near Brownville, four miles from Georgetown.

Manhattan. David M. DeWitt proprietor; office, Georgetown; claim, 150 by 1250 feet; located 1875, situated on Sherman mountain near Brownville, Griffith mining district, three miles from Georgetown; width of vein, 3 feet, pay vein, 6 inches; three shafts, aggregate depth 100feet; one tunnel 50 feet in length.

Marseilles. Owned by William Baker, of Georgetown; claim, 150 by 1400 feet, located 1873, situated on Leavenworth mountain, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest, width, 4 feet, pitch north, pay vein, 5 inches; nature of ore, sulphurets, average value, 367 ounces silver per ton; one tunnel 12 feet in length.

Marshall Silver Mining Co., of Georgetown, incorporated September 25, 1868; capital stock $600,000 in 6000 shares $100 each; office, Georgetown; F. J. Marshall prest., D. Ernest Foster sec. and treas. The property of this Company is situated on Leavenworth mountain, two miles from Georgetown. It comprises 13000 linear feet of ground, nearly all of which is patented.

Mary Ann. Lebanon Mining Co. proprietors, Julius G. Pohle supt.; office, Georgetown; claim, 50 by 1500 feet, located 1871; situated in Cascade mining district, three miles from Idaho Springs; vertical vein, running northeast and southwest, width, 6 feet, pay vein, 6 inches; nature of ore, galena, average value, 50 ounces silver per ton; one shaft 40 feet deep.

Mary Jane. Owned by James Peck & Sons; office, Empire; claim, 150 by 1500 feet, located 1877, situated on Eureka hill, Upper Union mining district, one mile from Georgetown; vertical vein, running northeast and southwest, width, 5 feet, pay vein, 8 inches; nature of ore, iron and copper pyrites, assay value, $200 per cord; main shaft 12 feet deep.

May Flower. Owned by George Berry & Co.; office, New York; claim, 150 by 1500 feet, located 1878; situated on Clear Creek, Spanish Bar mining district, one mile from Idaho Springs and forty-two miles from Denver.

McClung, John E. Consolidated Hercules and Roe Silver Mining Co., proprietors, H. M. Griffin, treas. and supt.; office, Denver; claim, 50 by 3000 feet, patented; located 1868; situated on Brown mountain near town of Brownville, Griffith and Queen mining districts, three miles from Georgetown; width of vein 6 feet, pay vein, 11 inches, nature of ore, galena, average value, 175 ounces silver per ton.

McDonald. George Westman, proprietor, office, Lawson; claim, 150 by 1500 feet; located 1877; situated on Columbia mountain, Montana mining district, near town of Lawson; course of vein, east and west, width, 8 feet, pitch 45° south, pay vein, one foot; nature of ore, galena and sulphurets, average value, $400 per ton; main shaft 50 feet deep, one tunnel 100 feet in length; total yield $1600.

McLelland. Owned by William Gorsline and others; office, Georgetown; claim, 50 by 3000 feet, located 1868, situated on Leavenworth mountain, Griffith mining district, three miles from Georgetown; vertical vein, running northeast and southwest, width, 5 feet, pay vein, 3 feet, nature of ore, galena, average value, 150 ounces silver per ton; main shaft, 350 feet deep, one level, 100 feet in length.

Mendota. Claim 50 by 3000 feet, patented, located 1865, situated on Sherman mountain, Griffith mining district, two miles from Georgetown; course of vein, northeast and southwest, width, 5 feet, pay vein, 8 inches, pitch 10° north, nature of ore, gray copper and galena, average value $275 per ton; main shaft 110 feet deep, two levels aggregate length 300 feet.

Mills Tunneling, Mining and Ore Reduction Co., incorporated June 14, 1878, capital stock $300-000 in 30,000 shares $10 each; office, Georgetown; stock assessable; trustees, Stephen Decatur, William M. Clark, Charles R. Fish, E. H. N. Patterson, Joseph K. Mills and George E. Kettle.

Miner, R. A. Owned by J. F. Snodgrass, T. Warwick & Co.; office, Georgetown; claim, 150 by 2000 feet, patented; located 1865, situated on Sherman mountain, Griffith mining district, two miles from Georgetown; vertical vein, running northeast and southwest, width, 7 feet, pay vein, 4 inches; nature of ore, galena, average value, $150 per ton; main shaft, 30 feet deep, one tunnel 150 feet in length.

Minnie. Owned by Frank Downend, Emanuel Hirsch and M. Fogarty; office, Georgetown; claim, 150 by 1500 feet; located 1874; situated on Republican mountain, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest, width, 18 feet, pay vein, 2 feet; nature of ore, galena, gray copper and iron pyrites, average value, 40 ounces silver per ton; two shafts, aggregate depth, 200 feet, one tunnel 110 feet in length.

Monticello Silver Mining Co., of Colorado, incorporated May 27 1870; capital stock, $1,000,000 in 10,000 shares $100 each; office, Georgetown; organized by D. J. Morrell, H. L. Cake, J. W. Forney, W. W. Weigley, Simon J. Stine, Edward M. McCook and A. W. Barnard.

Monticello Tunnel. Situated near Silver Plume, on Republican mountain, Griffith mining district, two miles from Georgetown; length of tunnel 1200 feet.

Morning Star. Alexander Lawson, proprietor; office, Lawson; claim, 150 by 1500 feet; located 1878; situated on Red Elephant mountain, Downieville mining district, six miles from Georgetown; course of vein, northeast and southwest, width, 7 feet, pitch 45° north; nature of ore, galena and native silver, average value, 500 ounces silver per ton; one shaft 40 feet deep.

Morris Mining Co., incorporated December 26, 1869; capital stock, $600,000 in 6,000 shares $100 each; office, Washington, D.C.

Multum in Parvo. Owned by F. Hood, W. S. Smith and B. Devotie; office, Georgetown; claim, 150 by 1500 feet; located 1878; situated on Columbia mountain, Montana mining district, forty-six miles from Denver; course of vein, northeast and southwest, width, 4 feet; one shaft 25 feet deep.

Munn and Loomis Placer claim consists of 14 acres of ground, situated on Fall River, near town of Fall River, one mile from railroad and forty miles from Denver; owned by Joseph A. Munn and M. Loomis & Co.

Munn and Miller Placer, Joseph A. Munn and Frank Miller, proprietors; office, Spanish Bar, claim comprises 36 acres of ground; situated on Fall River, near town of Fall River, one mile from railroad and 40 miles from Denver.

Munsell. Owned by the Equator Silver Mining and Smelting Co., H. S. Kearney, supt.; offices, Georgetown, Colorado, and Chicago, Ills.; claim, 50 by 2000 feet, patented; discovered 1867; situated on Leavenworth mountain, Griffith mining district, two miles from Georgetown; width of vein, 8 feet, pay vein, one to 18 inches; nature of ore, gray copper and galena.

Munsell. Owned by Hal. Sayre, office, Georgetown; claim, 50 by 3000 feet, patented; located 1867; situated on Leavenworth mountain, Griffith mining district, one mile from Georgetown; vertical vein, running northeast and southwest, width, 3 feet, pay vein, one to 12 inches; nature of ore galena and sulphurets, average value, 225 ounces silver per ton; main shaft 85 feet deep, aggregate length of tunnels, 350 feet.

Murphy. G. W. Cowles & Co., proprietors; office, Empire; claim, 150 by 3000 feet, located 1877, situated on Silver mountain, Upper Union mining district, two miles from Georgetown; course of vein, northeast and southwest, width, 4 feet, pitch 45° northeast, pay vein, 12 to 18 inches; nature of ore, iron and copper pyrites, carbonates and free gold; average value, $400 dollars per ton; one shaft, 24 feet, aggregate length of tunnels 125 feet; total yield $1,000.

Murry. Owned by Dubois Tooker & Co.; office, Lawson; claim, 300 by 1500 feet; located 1878; situated in the town of Lawson, on Colorado Central railroad, forty miles from Denver; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, 10 inches; nature of ore, galena and copper pyrites, average value, 90 ounces silver per ton; two shafts, 90 feet each, one level 50 feet in length and 80 feet from surface.

Muscatine. Owned by R. H. Wood & Co., of Georgetown; claim, 50 by 1500 feet, located 1868; situated on Kelso mountain, Argentine mining district, nine miles from Georgetown; course of vein, east and west, width, 4 feet, pay vein, 18 inches; nature of ore, sulphurets, average value, $500 per ton; one adit 12 feet in length.

Nash Tunnel. Julius G. Pohle, proprietor; office, Georgetown; claim, 300 by 3000 feet; located 1868; situated on Leavenworth mountain, Griffith mining district, three miles from Georgetown; this tunnel is 260 feet in length and has cut 2 lodes, one at a depth of 160 feet and one at a depth of 200 feet.

Native American. Owned by R. W. Chinn & Co., of Lawson; claim, 150 by 1500 feet; located 1877; situated on Columbia mountain, near town of Lawson, Spanish Bar mining district, forty-six miles from Denver; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 15 inches, nature of ore, galena and gray copper, average value $175 per ton; one adit 40 feet in length.

Navajoe. Owned by George L. Canon, of Idaho Springs; claim, 150 by 1500 feet, located 1874; situated on Russell mountain, Idaho mining district, thirty-three miles from Denver; course of vein, east and west, pitch 20° north, width, 4 feet, pay vein, 4 inches; nature of ore, sulphurets, average value, $130 per ton; main shaft 90 feet deep, one tunnel 100 feet and one level 15 feet in length.

Neith. G. and S. H. Vivian, proprietors; office, Empire; claim, 150 by 1500 feet; located 1875; situated on Cavode mountain, Upper Union mining district, half-mile from Georgetown; vertical vein, running northeast and southwest, width, 5 feet, pay vein, 3 feet; nature of ore, copper and iron pyrites, average value, $70 per cord; one adit 60 feet in length.

Neurenberg. Owned by T. E. Schwarz, Edwin Bowden and W. V. Stephens; office, Lawson; claim, 150 by 1500 feet, located 1878, situated on Columbia mountain, Montana mining district, two miles from Georgetown; vertical vein, trending east and west, width, 6 feet, pay vein, 2 feet; nature of ore, sulphurets, average value, 200 ounces silver per ton; one adit 50 feet in length.

New Castle. James Kinkead and Thomas Thatch, proprietors; office, Fall River; claim, 150 by 800 feet; located 1860; situated on Donaldson hill, Spanish Bar mining district, near town of Idaho Springs; course of vein, northeast and southwest.

New Era. Owned by the Burleigh Mining Co., of New York; office, Georgetown; claim, 150 by 3000 feet; located 1871; situated on Sherman mountain, Griffith mining district, three miles from Georgetown; course of vein, east and west, pitch 30° north, width, 12 feet, pay vein, 3 feet; reached by the Burleigh tunnel at a distance of 920 feet from the mouth, and intersected at a depth of 535 feet; 3 levels, aggregating 700 feet in length.

New Era. Owned by J. Mills, of Milwaukee; claim, 150 by 1500 feet, patented; located 1860; situated on Trail Creek, three miles from Idaho Springs.

New Loan. Owned by the Yandes Silver Mining Company; office, Georgetown; claim, 50 by 3000 feet; located 1865; situated on Sherman mountain, Griffith mining district, two miles from Georgetown; vertical vein, running northeast and southwest, width, 6 feet; nature of ore, galena, average value, $210 per ton; one adit 300 feet in length.

Nott Tunnel. Claim, 1500 by 3000 feet; located 1873; situated on Leavenworth mountain, Griffith mining district, two miles from Georgetown; length of tunnel, 135 feet.

Nuckolls. Owned by Hukill Silver Mining Co.; office, Georgetown; claim, 150 by 1500 feet, patented; discovered 1863; located on Columbia mountain, Griffith mining district, one mile from Georgetown; width of vein, 3 feet, pay streak, 8 inches; average value of ore, 162 ounces silver per ton; main shaft, 240 feet deep.

Number Five Mining Co., of Georgetown, Colorado, incorporated July 13, 1875; capital stock $50,000 in 5,000 shares $10 each; offices, Georgetown and Denver, Colorado; organized by George Teal, John R. Hambel, Henry C. Harrington, Charles B. Patterson and Eli M. Ashley.

O. K. Charles R. Fish & Co., proprietors; office, Georgetown; claim, 50 by 1500 feet, patented; located 1865; situated on Leavenworth mountain, Griffith mining district, two miles from Georgetown; course of vein, northeast and southwest, width, 3 feet, pitch 45° northwest, pay vein, 8 inches; nature of ore, sulphurets and galena, average value, $450 per ton; main shaft 200 feet deep, aggregate length of levels 300 feet, three tunnels 60, 300 and 400 feet in length respectively; total yield $50,000.

Old Missouri. Situated on Brown mountain, near Brownville, four miles from Georgetown.

Oneida. Owned by the Colorado United Mining Co.; situated on Brown mountain, near town of Brownville, three miles from Georgetown.

O. R. S. Theodore King, proprietor; office, Georgetown; claim, 50 by 3000 feet; located 1868; situated on Leavenworth mountain, three miles from Georgetown; vertical vein, running east and west; pay vein, one to 18 inches; nature of ore, carbonate of copper, average value, 150 ounces silver per ton; one shaft 40 feet deep

Pacific. Owned by James Peck & Sons; office, Empire; claim, 150 by 1500 feet; located 1877; situated on Cavode mountain, Upper Union mining district, one mile from railroad; vertical vein, running northeast and southwest, width, 5 feet, pay vein, 13 inches; nature of ore, iron and copper pyrites, average value, $125 per ton; one adit 30 feet in length.

Pacific. Owned by S. H. White, of Idaho Springs; claim, 150 by 1500 feet; located 1860; situated in dry gulch, near Idaho Springs, Spanish Bar mining district, thirty-five miles from Denver; course of vein, northeast and southwest, width, 6 feet, pitch 15° north, pay vein, 25 inches; nature of ore, iron and copper pyrites, average value, $35 per ton; one shaft 25 feet deep.

Pay Rock. Owned by the Pay Rock Consolidated Mining Co., of Georgetown, Colorado, incorporated January 12, 1875; capital stock $350,000 in 3,500 shares, $100 each; organized by George E. Noyes, Charles H. Morris, Thomas W. Ellis, Peter Ellis and William C. Show; George E. Noyes, prest., Thomas W. Ellis, vice. prest. and supt., Charles H. Morris, sec. and treas.; claim, 50 by 1500 feet, patented; located 1871; situated on Republican mountain, Griffith mining district, near town of Silver Plume, two miles from Georgetown; course of vein, northeast and southwest, width, from 4 to 150 feet, pay vein, from one to 24 inches, pitch 15° south; value of ore, 105 to 715 ounces silver per ton; three shafts, aggregate depth 700 feet, aggregate length of levels, 2500 feet.

Pelican. Situated on Sherman mountain, near town of Silver Plume, three miles from Georgetown; this property is well developed, and has produced to date $1,500,000.

Peralto. Owned by the Hermann Mining Co., New York; John D. Dix, prest., Benjamin F. Morris, vice-prest., George W. Dix, sec., Charles H. Morris, supt.; capital stock, $200,000, none of which has been sold for less than par value; offices, Georgetown, Colorado, and New York city; claim, 150 by 1500 feet, patented; discovered 1872; situated on Republican mountain, near Silver Plume, three miles from Georgetown; course of vein, east and west, pitch 30° north, width, 15 feet, pay vein, one foot; two shafts, aggregate depth 50 feet, one tunnel, 110 feet in length.

Peters, Daniel. Owned by the Snow Drift Silver Mining and Reduction Co., England, George Teal, agent; office, Georgetown; claim, 30 by 1400 feet, patented; located 1863, situated on Republican mountain, Griffith mining district, near Silver Plume, two miles from Georgetown; course of vein, northeast and southwest; width, 16 feet; pitch, north, pay vein, 8 inches; nature of ore, sulphurets, average value, 250 ounces silver per ton; main shaft, 80 feet deep, two levels, aggregate length, 100 feet.

Philadelphia Tunnel Co., of Colorado, incorporated October 13, 1869; capital stock, $500,000 in 5,000 shares $100 each; offices, Georgetown, Colorado, and Philadelphia, Penn.; trustees, John R. Hall, Ambrose W. Bernard and James Henshall.

Phillips. Owned by E. T. Carr, Charles McKee and Richard Phillips; office, Central City; claim, 150 by 1500 feet; discovered in 1874; situated on Bellevieu mountain, Virginia mining district, three miles from Central City; width of vein, 20 inches; average value of mill ore, 5 ounces gold per cord, smelting ore, $91 per ton; one shaft, 60 feet deep; 2 levels, aggregate length, 60 feet.

Phillips, Ivers. Owned by the Burleigh Mining Co.; office, Georgetown; claim, 150 by 3000 feet, patented; discovered 1877; situated on Sherman mountain, Griffith mining district, three miles from Georgetown; course of vein, east and west, width, 120 feet, pitch, 10° north; nature of ore, zinc-blende, galena and gray copper; reached by the Burleigh tunnel at a distance of 1900 feet from the mouth and intersected at a depth of 1800 feet; one level, 50 feet in length.

Phœnix. Owned by James Kinkead and Thomas H. Thatch; office, Fall River; claim, 50 by 1100 feet; located 1862; situated on Donaldson mountain, Spanish Bar mining district, near town of Fall River, 40 miles from Denver.

Phœnix. Owned by Zadock Kalbaugh, Henry Crow and Erskine McClelland; office, Georgetown; claim, 50 by 3000 feet, located on Sherman mountain, three miles from Georgetown; width of vein, 6 feet, pay streak, 4 inches; average value of ore, 1000 ounces silver per ton; 8 shafts, aggregating 400 feet in depth; 6 levels, aggregating 750 feet in length.

Pilot Knob. Lebanon Mining Co., proprietors, Julius G. Pohle, sup't; office, Georgetown; claim, 50 by 1500 feet; located 1871; situated on Pilot Knob mountain, Trail Creek mining district, three miles from Idaho Springs; course of vein; northeast and southwest, width, 6 feet, pitch, north, pay vein, 5 inches; nature of ore, galena; average value, 300 ounces silver per ton; one shaft, 40 feet deep.

Pioneer. Francis L. Andre, proprietor; office, Empire; claim, 150 by 1500 feet, patented; located 1862; situated on Silver mountain, Upper Union mining district, two miles from railroad; course of vein, northeast and southwest, width, 4 feet, pitch, 10° east, pay vein, 6 inches to 3 feet; nature of ore, iron pyrites and free gold, average value, $65 per cord; main shaft, 100 feet deep, one level, 250 feet in length, and 70 feet from surface, one tunnel, 150 feet in length.

Pittsburgh. S. P. Allen and David J. Ball, proprietors; office, Empire; claim, 50 by 1300 feet, patented; located 1865; situated on Silver mountain, Upper Union mining district, two miles from railroad; course of vein, northeast and southwest, width, 10 feet, pitch 15°; nature of ore, iron and copper pyrites; average value, $125 per cord; main shaft, 60 feet deep, aggregate length of levels, 150 feet, one tunnel, 500 feet in length; total yield, $20,000.

Planet. Owned by the Planet Silver Mining Co.; office, Georgetown; claim, 1050 linear feet; situated at head of Geneva gulch, Argentine mining district, fifteen miles from Georgetown; course of vein, north and south, width, 3 feet, pitch, west, pay vein, one to 14 inches; nature of ore, bismuth, silver, galena, iron and copper pyrites, average value, $100 per ton; one adit, 140 feet in length.

Pocahontas. Owned by R. Woods & Co., of Georgetown; claim, 150 by 1500 feet; located 1868; situated on Kelso mountain, West Argentine mining district, nine miles from Georgetown; course of vein, east and west, width, 5 feet, pay vein, 12 inches; nature of ore, galena, average value, $500 per ton; two adits, aggregate length, 285 feet.

Polar Star. Owned by the Polar Star Gold and Silver Mining Co., New York, incorporated April, 1877, capital stock, $500,000, in 50,000 shares, $10 each; offices, Denver, Colorado, and New York City, O. H. King, prest., W. C. Boone, sec., H. C. Donnell, sup't; claim, 50 by 1500 feet, patented; located 1866; situated on Leavenworth mountain, Griffith mining district, two miles from Georgetown; course of vein, northeast and southwest, width, 10 to 20 feet, pay vein, one to 18 inches, pitch, north; nature of ore, galena, and zinc blende, average value, 200 ounces silver per ton; three shafts, aggregate depth 300 feet, two tunnels, aggregate length 1400 feet; three levels, aggregate length 275 feet.

Powell, L. W. Owned by the Lebanon Mining Co., Julius G. Pohle, Sup't; office, Georgetown; claim, 50 by 1400 feet; located 1865; situated on Republican mountain, Griffith mining district, one mile from Georgetown; course of vein, northeast and southwest, width, 3 feet, pay vein, 6 to 14 inches, pitch south; nature of ore, galena; average value, 150 ounces silver per ton; one shaft, 25 feet deep.

Prentiss, George D. Owned by the Lebanon Mining Co., Julius G. Pohle, sup't; office, Georgetown; claim, 50 by 1600 feet, patented; located 1865; situated on Republican mountain, Griffith mining district, one mile from Georgetown; vertical vein, trending northeast and southwest, width, 20 feet, pay vein, 10 inches to 3 feet; nature of ore, galena, average value, 200 ounces silver per ton; two shafts, aggregate depth 100 feet; aggregate length of levels, 270 feet; reached by the Lebanon tunnel at a distance of 400 feet from the mouth, and intersected at a depth of 185 feet.

Pride of the West. Owned by the Hukill Silver Mining Co.; office, Georgetown; claim, 50 by 1500 feet, patented; located 1865; situated on Sherman mountain, Griffith mining district, two miles from Georgetown; width of vein 5 feet, pay vein, 10 inches; value of ore, 260 ounces silver per ton; main shaft, 75 feet deep.

Princess. Owned by William P. Lynn, of Georgetown; claim, 50 by 1400 feet; located 1871; situated on Leavenworth mountain, Griffith mining district, two miles from Georgetown; course of vein, northeast and southwest, width, 4 feet, pay vein, 8 inches, pitch, north; nature of ore, galena; one shaft, 50 feet deep.

Providence. Owned by David N. Smith, of Georgetown; claim, 100 by 1500 feet, patented; located 1868; situated on Democrat mountain, Griffith mining district, one mile from Georgetown, course of vein, northeast and southwest, width, 4 feet, pay vein, 2 inches to 2 feet; nature of ore, galena and sulphurets; main shaft, 60 feet deep, one tunnel, 300 feet in length which intersects the vein at a depth of 125 feet.

Providence, extension. Owned by H. Bronson, Andrew Wold and E. Harrison; office, Georgetown; claim, 150 by 1500 feet; located 1877; situated on Democrat mountain, Griffith mining district, three miles from Georgetown; course of vein, east and west, width, 10 feet, pay vein, 4 inches, pitch 5° north; nature of ore, sulphurets, average value, $560 per ton, one shaft, 25 feet deep, one tunnel, 50 feet in length.

Pulaski. Owned by the Pulaski Silver Mining Co.; office, Washington Court House, Ohio; claim, 150 by 2100 feet, patented; located 1874; situated in Griffith mining district, two miles from Georgetown; vertical vein, running east and west, width, 20 feet; nature of ore, galena and free gold, average value, $25 per ton; two tunnels, 100 and 200 feet in length respectively.

Purdue Silver and Gold Mining and Ore Reduction Co; organized under the laws of the State of Indiana; capital stock, $85,000, in 17,000 shares, $50 each.

Puzzler. Owned by Alexander Lawson and A. S. Carpenter, of Lawson; claim, 150 by 1500 feet, patented; located 1877; situated on Red Elephant mountain, near town of Lawson, Downieville mining district, forty-five miles from Denver; course of vein, northwest and southeast, width, 10 feet, pitch 45° north, pay vein, 6 inches; nature of ore, galena and copper pyrites, average value, $200 per ton; main shaft, 120 feet deep.

Queen of the West. Owned by the Burlington and Colorado Silver Mining Co.; situated on Democrat mountain; yield to date $150,000.

Rackett. John Tubb, proprietor; office, Central City; claim, 150 by 850 feet; discovered 1864; situated on Bellevieu mountain, Virginia mining district, three miles from Central City; width of vein, 15 inches; average value of ore, 8 ounces gold per cord; 2 shafts, aggregating 150 feet in depth, one level, 50 feet in length and 70 feet from surface.

Revenue. Owned by the Revenue Mineral Co., office, Grant, Park County, Colorado; claim, 150 by 1500 feet, patented; located 1872; situated on Revenue mountain, Geneva mining district, fifteen miles from Georgetown; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, 15 inches; nature of ore, galena and gray copper; two shafts, 300 feet respectively, two levels, 250 feet in length each; stone shaft house, 18 by 20 feet.

Reynolds, Joseph, Mining Property. Owned by Joseph Reynolds, James I. Gilbert and James Dailey; office, Georgetown; four claims, 150 by 1500 feet each, all of which are patented; vertical veins, trending east and west, width, 15 feet each; nature of ore, galena, copper pyrites, sulphurets and native silver, average value, 500 ounces silver per ton; main shaft 100 feet deep, three adits, aggregate length 300 feet; total yield, $8,000.

Richmond. Owned by John Turck; situated on McClelland mountain, near Georgetown; developed by a tunnel 250 feet in length, and two shafts, 20 and 50 feet in depth respectively; the pay vein is 7 inches wide and the average value of the ore is 150 ounces silver per ton.

Rider. Owned by the Burleigh Mining Co., of New York; claim, 150 by 3000 feet; located 1873; situated on Sherman mountain, Griffith mining district, three miles from Georgetown; course of vein, east and west, pitch north, width, 4 feet, pay vein, one to 12 inches; nature of ore, galena and gray copper.

Rip Van Winkle, West. Owned by the West Rip Van Winkle Silver Mining Co., incorporated October 29, 1878; capital stock $150,000 in 15,000 shares, $10 each; office, Denver; trustees, Carver J. Goss, William B. Slosson and Rodney Curtis; claim, 150 by 1500 feet, located 1869; situated on Brown mountain, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest, width, 5 feet; nature of ore, sulphurets, average value, 500 ounces silver per ton; two shafts 50 and 35 feet deep, respectively, one level 50 feet in length.

Roberson. John W. Edwards, proprietor; office, Idaho Springs; claim, 50 by 1500 feet; located 1865; situated on Roberson hill, Idaho mining district, two miles from town of Idaho Springs; vertical vein, running east and west, width, 4 feet, pay vein, 12 inches; nature of ore, free gold and iron pyrites, average value, $67 per cord; main shaft 170 feet deep, aggregate depth of other shafts, 70 feet, aggregate length of levels, 239 feet, one adit 200 feet in length; total yield, $15,000.

Robinson Placer. Charles E. Robinson, proprietor; claim comprises 5 acres of patented ground, located on Clear Creek, in town of Fall River, Spanish Bar mining district, forty-five miles from Denver.

Rockford. Clase J. Johnson, August Nelson, Nils Frohm and August Peterson, proprietors; office, Georgetown; claim, 150 by 1500 feet; located 1876; situated on Democrat mountain, Griffith mining district, three miles from Georgetown; course of vein, east and west, width, 12 feet, pitch south; nature of ore, galena and gray copper; one shaft, 25 feet deep, reached by a tunnel at a distance of 360 feet from the mouth, and intersected at a depth of 160 feet.

Roe, John J., West, Owned by Albert Johnson, of Georgetown; claim, 50 by 1500 feet, patented; located 1873; situated on Brown mountain, Queen mining district, three miles from Georgetown; vertical vein, trending northwest and southeast, width, 4 feet, pay vein, 8 inches; nature of ore, galena, average value, 300 ounces silver per ton; aggregate depth of shafts, 340 feet, one tunnel 440 feet, and one level 245 feet in length.

Roe, East. Owned by the Consolidated Hercules and Roe Silver Mining Co., G. W. E. Griffith, prest., H. M. Griffin, treas.; office, Denver; claim, 50 by 1500 feet, patented; located 1867; situated on Brown mountain, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest, width, 12 feet, pitch 5° north, pay vein, one to 10 inches; nature of ore, galena and gray copper, average value, 450 ounces silver per ton; aggregate depth of shafts, 700 feet, aggregate length of levels 2,497 feet, one tunnel 240 feet in length.

Rogers, Fred. Owned by the Lincoln Mining Co., W. A. Burr and Duncan McArthur, agents; office, Georgetown; claim, 50 by 1500 feet; discovered 1869; situated on Democrat mountain, Upper Union mining district, two miles from Georgetown; nature of ore, gray copper and silver glance; value of first-class ore, 500 to 700 ounces, second-class ore, 200 to 350 ounces, and third class, 150 to 200 ounces silver per ton; main shaft, 200 feet deep; twelve horse power engine and a No. 3 Knowles pump; yield to date, 175,000.

Rosencrans. Z. H. and Ann Willard, proprietors; office, Boston, Mass.; claim, 75 by 600 feet, patented; located 1862; situated on Silver mountain, Upper Union mining district, two miles from railroad; course of vein, east and west, pitch, 10° south, width, 7 feet; nature of ore, free gold, average value, $140 per cord; main shaft, 90 feet deep; total yield, $14,000.

Ruby Silver Mining Co, incorporated October 17, 1874; capital stock, $400,000, in 4,000 shares, $100 each; offices, Georgetown, Colorado, and Chicago, Illinois; organized by John A. Logan, George Townsend, Andrew Meyers, Solomon Robeson and David H. Mitchell.

Saco. Charles R. Fish, proprietor; office, Georgetown; claim, 50 by 900 feet, patented; located 1865; situated on Leavenworth mountain, Griffith mining district, two miles from Georgetown; vertical vein, trending northeast and southwest, width, 3 feet, pay vein, 10 inches; nature of ore, galena and gray copper; average value, $300 per ton; aggregate depth of shafts, 380 feet, aggregate length of tunnels, 530 feet; total yield, $250,000.

Salisbury. Owned by John M. Dumont, of Spanish Bar; claim, 150 by 800 feet; located 1860; situated on Clear Creek, Spanish Bar mining district, two miles from Idaho Springs; course of vein, east and west, pitch, 45° north, width, 4 feet, pay vein, 12 inches; nature of ore, iron and copper pyrites, average value, $60 per ton.

Schaffter. Owned by Peter, Theobald and P. P. Schaffter; office, Idaho Springs; claim, 150 by 1500 feet; located 1860; situated on Schaffter mountain, Spanish Bar mining district, three miles from town of Idaho Springs; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 18 inches; nature of ore, free gold, average value, $40 per ton; main shaft, 100 feet, and one other shaft, 33 feet deep; total yield, $22,000.

Seaton. Owned by Willard Teller and Clinton Reed; office, Denver; claim, 50 by 100 feet, patented; situated on Seaton mountain, Idaho mining district, one mile from town of Idaho Springs; course of vein, northeast and southwest, width, 3 feet, pitch, southwest, pay vein, 2 feet; nature of ore, galena; main shaft, 170 feet deep, one tunnel, 100 feet in length; shaft house, 18 by 20 feet.

Selma. Lebanon Mining Co., proprietors, Julius G. Pohle, supt.; office, Georgetown; claim, 150 by 1500 feet; located 1872; situated on north side of Leavenworth mountain, Griffith mining district, one mile from Georgetown; vertical vein, trending northeast and southwest, average width, 4 feet, pay vein, 3 to 4 inches; nature of ore, galena, average value, 400 ounces silver per ton; one shaft, 40 feet deep, one level, 60 feet in length.

Seven-Twenty. B. F. Wells, of Black Hawk, proprietor; claim, 50 by 850 feet; located 1872; situated on Seaton mountain, Idaho mining district, one mile from Idaho Springs; course of vein, northeast and southwest, width, 4 feet, pitch, 10° north, pay vein, 6 inches to 2 feet; nature of ore, galena and gray copper, average value, $150 per ton; main shaft, 250 feet, and one other shaft, 100 feet deep; will be operated through the Seven-Twenty tunnel, which is now 100 feet in length; hoisting apparatus and a forty horse power engine.

Seven-Thirty. Owned by the Consolidated Hercules and Roe Silver Mining Co.; capital stock, $1,000,000, 100,000 shares, $10 each; offices, Georgetown and Denver, Colorado; G. W. E. Griffith, prest., H. M. Griffin, treas. and supt., C. M Williams, sec., K. G. Cooper, vice-prest.; claim, 50 by 3000 feet, patented; located 1866; situated on Brown mountain, Griffith and Queen mining districts, three miles from Georgetown; course of vein, northeast and southwest, width, 4 to 20 feet, pay vein, one to 20 inches, pitch, north; nature of ore, galena, gray copper and zinc-blende, average value, 300 ounces silver per ton; two shafts, aggregate depth 400 feet, one tunnel, 400 feet in length, four levels, 100, 200 and 250 feet from surface respectively, aggregating 600 feet in length.

Seventy-Seven. Owned by William H. Moore & Co.; office, Georgetown; claim, 50 be 924 feet; located 1872; situated on Leavenworth mountain, Griffith mining district, two miles from Georgetown; course of vein, north and south, width 12 to 15 feet, pitch 33° west; nature of ore, sulphurets, value 1300 ounces silver per ton; two shafts, aggregate depth, 145 feet, two tunnels, aggregate length 280 feet, one level 120 feet in length.

Shively. Owned by David N. Smith, of Georgetown; claim, 150 by 1500 feet, patented; located 1872; situated on Brown mountain, Queen mining district, near Brownville, two miles from Georgetown; course of vein, northeast and southwest, width, 4 feet, pitch north, pay vein, 10 inches; nature of ore, galena, average value, 500 ounces silver per ton; main shaft 75 feet deep, one tunnel 279 feet in length, two levels, aggregating 455 feet in length.

Shoo Fly. Lebanon Mining Co., proprietors, Julius G. Pohle, supt.; office, Georgetown; claim, 50 by 1500 feet; located 1871; situated on Pilot Knob mountain, Trail Creek mining district, three miles from Idaho Springs; vertical vein, running northeast and southwest, width, 6 feet, pay vein, one to 3 inches; nature of ore, galena, average value, 80 ounces silver per ton; one shaft 50 feet deep.

Silver Belt. Charles C. Welch, David C. Crawford, James F. Devere and R. W. Chinn, proprietors; office, Denver; claim, 150 by 1500 feet; located 1877; situated on Columbia mountain, Montana mining district, one mile from town of Lawson, and forty-six miles from Denver.

Silver Bluff. Lebanon Mining Co., proprietors, Julius G. Pohle, supt.; office, Georgetown; claim, 50 by 1500 feet, patented; located 1870; situated in Cascade mining district, three miles from Idaho Springs; course of vein northeast and southwest, width, 10 feet, pitch north; nature of ore, galena, average value, 200 ounces silver per ton; one shaft, 40 feet deep, two tunnels, aggregate length 100 feet.

Silver Cloud. Owned by J. Rogers, John Shields and W. C. Hicock; office, Georgetown; claim, 150 by 1500 feet, patented; located 1866; situated on Democrat mountain, three miles from Georgetown; course of vein, northeast and southwest, width, 7 feet, pitch 5° north, pay vein, 5 inches; nature of ore, sulphurets and zincblende, average value, 104 ounces silver per ton; main shaft, 20 feet deep, one tunnel, 25 feet in length.

Silver Cloud. Silver Cloud Mining Co., proprietors; office, Georgetown; claim, 50 by 3000 feet, patented; located 1868; situated on Hanna mountain, Queen mining district, three miles from Georgetown; vertical vein, running northeast and southwest, width, 4 feet, pay vein, 4 inches; nature of ore, galena and gray copper; main shaft, 70 feet deep, two tunnels, 75 feet in length, respectively.

Silver Cloud. Owned by the Victor Silver Mining Co.; office, Georgetown; claim, 150 by 1500 feet patented; located 1874; situated on Democrat mountain, Upper Union mining district, two miles from Georgetown; course of vein, northeast and southwest, width, 15 feet, pitch 25° south, pay vein 10 inches; nature of ore, sulphurets, average value, $1,000 per ton; main shaft, 90 feet deep, three tunnels, 75, 100 and 290 feet in length, respectively; total yield, $40,000.

Silver Dale. Owned by Frank Bunholzer, Herman Housen, R. A. Ames and Mrs. Phœbe Gilmore; office, Georgetown; claim, 1500 by 3000 feet, patented; located 1873; situated on Leavenworth mountain, Griffith mining district, in town of Silver Dale, three miles from Georgetown; length of tunnel, 400 feet; has cut 4 lodes, all of which show good ore, averaging 1000 onnces silver per ton.

Silver Glance. J. O. Stewart, proprietor; office, Georgetown; claim, 150 by 500 feet, patented; located 1874; situated on Democrat mountain, Griffith mining district, three miles from Georgetown; width of vein, 20 feet, pay vein, 18 inches; average value of ore, 300 ounces silver per ton; one shaft 40 feet deep, aggregate length of tunnels, 420 feet, aggregate length of levels, 400 feet.

Silver Ore. Situated on Brown mountain, near Brownville, four miles from Georgetown.

Silver Glance Mining Co., incorporated April 7, 1876; capital stock, $150,000, in 1500 shares, $10 each; office, Georgetown; organized by James Oscar Stewart, Charles W. Burdsal, A. J. August, John R. Hambel and Nathan S. Hurd.

Silver King. Owned by Charles F. Hendrie and Henry Bolthoff; office, Central City; claim, 150 by 1500 feet; located 1876; situated in Spring gulch, Independent mining district, ten miles from Georgetown; course of vein, northeast and southwest, width, 4 feet, pitch, 25° southeast; nature of ore, galena and gray copper, average value, $40 per ton; main shaft, 40 feet deep; one tunnel, 60 feet, and one drift, 100 feet in length.

Silver Mountain. Frances L. Andre, proprietor; office, Empire; claim, 50 by 600 feet; located 1862; situated on Silver mountain, Upper Union mining district, two miles from railroad; course of vein, northeast and southwest, width, 4 feet, pitch, west, pay vein, 2 feet; nature of ore, iron and copper pyrites, average value, $40 per cord; main shaft, 135 feet deep, one tunnel, 600 feet in length which intersects the vein at a depth of 135 feet; total yield, $150,000.

Silver Mountain. Owned by James Peck & Sons; office, Empire; claim, 150 by 40 feet, patented; located 1861; situated on Silver mountain, Upper Union mining district, two miles from railroad; vertical vein, running northeast and southwest, width, 6 feet, pay vein, 2 feet; nature of ore, iron and copper pyrites, average value, $90 per ton; main shaft, 65 feet deep.

Silver Plume. Silver Plume Mining Co., proprietors, George Teal, agent; office, Georgetown; claim, 50 by 1400 feet, patented; located 1863; situated near town of Silver Plume, on Republican mountain, two miles from Georgetown; course of vein, northeast and southwest, width, 12 feet, pitch 20° north, pay vein, one to 18 inches; nature of ore, galena and sulphurets, average value, 600 ounces silver per ton; main shaft, 100 feet deep, five tunnels, aggregate length 1800 feet.

Silver Queen Mining Co., incorporated October 31, 1872; capital stock, $5,000, in 50 shares, $100 each; office, Georgetown; organized by Irving J. Pollok, R.. W. Steele, Augustus H. Whitehead, Albert Townsend, J. B. O'Connor, Theodore King, Henry Boyer, John B. Snodgrass, Glaize, Bender & Co. and H. Clinton Cowles.

Snow Drift. Owned by the Snow Drift Silver Mining and Reduction Co., England, George Teal, agent; office, Georgetown; claim, 50 by 1400 feet, patented; located 1863; situated on Republican mountain, Griffith mining district, near Silver Plume, two miles from Georgetown; course of vein, northeast and southwest, width, 4 feet, pitch 70° north, pay vein, 9 inches; nature of ore, galena and sulphurets, average value, 1000 ounces per ton; main shaft, 550 feet deep, one tunnel, 50 feet in length which intersects the vein at a depth of 280 feet, six levels, aggregate length 600 feet; total yield, $140,000.

Specie Payment. Owned by the Sunshine Mining Co., New York, John Newman, prest. and gen'l manager, Thomas Farrell, vice-prest., George H. Sagendorf, treas., W. H. Poor, sec.; offices, Idaho Springs, Colorado, and Troy, New York; claim, 150 by 1500 feet, patented; located 1872; situated on Bellevieu mountain, Virginia mining district, three miles from Idaho Springs and three miles from Central City; course of vein, northwest and southeast, width, 4 feet, pitch 30° north, pay vein, 12 inches; nature of ore, iron and copper pyrites, average value of mill ore, 8 ounces gold per cord, smelting ore, $175 per ton; main shaft, 100 feet deep and two other shafts aggregating 180 feet in depth, one adit, 360 feet, and one level, 65 feet in length; engine house and office, 20 by 30 feet; has yielded under the present management $40,000.

Specie Payment. Owned by N. J. Moss, W. A. Doyle and J. J. Smith; office, Lawson; claim, 150 by 1500 feet; located 1878; situated on Columbia mountain, Montana mining district, two miles from Lawson and six miles from Georgetown; width of vein, 6 feet; nature of ore, galena, iron and copper pyrites; one adit 25 feet in length.

Specie Tunnel. Situated on the south side of Brown mountain, near Brownville, four miles from Georgetown.

Steamboat. Owned by the Broadway Tunneling and Silver Mining Co.; office, Georgetown; claim, 150 by 1500 feet; located 1873; situated on Leavenworth mountain, two miles from Georgetown; course of vein, northeast and southwest, width, 4 feet, pay vein, 6 inches; nature of ore, galena and gray copper, average value, 300 ounces silver per ton; main shaft, 100 feet deep, two tunnels, aggregating 500 feet in length, and four levels, aggregating 410 feet in length.

Steamboat. west extension. Owned by W. H. Moore, N. S. Hurd, A. L. Palmer and A. D. Bullis; claim, 150 by 1426 feet, patented; located 1873; situated on Leavenworth mountain, two miles from Georgetown; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 5 inches; nature of ore, galena and gray copper, average value, 210 ounces silver per ton; main shaft 64 feet deep, one tunnel, 165 feet in length, two levels, aggregate length 165 feet.

Stephens Placer. Owned by Andrew Stephens and others; office, Idaho Springs; claim comprises 36 acres of patented ground situated on Spanish Bar, two miles from town of Idaho Springs, and thirty-six miles from Denver.

Stevens. Owned by the Stevens Mining Co.; situated on McClelland mountain, near Georgetown; this property is well developed and has produced largely; the pay vein is 6 to 10 inches in width, and the average value of the ore is 200 ounces silver per ton.

Sunny South. H. C. Cowles, proprietor; office, Empire; claim, 150 by 1500 feet; located 1876; situated on Silver mountain, Upper Union mining district, two miles from railroad; vertical vein, running east and west, width, 3 feet, pay vein, 6 inches; nature of ore, free gold, average value, $100 per cord; main shaft, 25 feet deep, one adit 35 feet in length.

Sunshine Mining Co., organized under the laws of the State of New York, July 15, 1875; capital stock, $50,000, in 500 shares $100 each; offices, Idaho Springs, Colorado, and Troy, New York; John Newman, prest. and agent, George H. Sagendorf, treas., W. H. Poor, sec.

Taylor. Owned by W. W. Taylor, T. J. Huff and W. Collins; office, Idaho Springs; claim, 150 by 1500 feet; located 1878; situated in Hukill gulch, Spanish Bar mining district, two miles from Idaho Springs; vertical vein, running northeast and southwest, width, 4 feet, pay vein, 5 inches; nature of ore, galena and iron pyrites, average value, $42 per ton; main shaft, 25 feet deep.

Taylor Tunnel. Owned by E. C. McMillan and F. L. Downend; office, Georgetown; claim, 1500 by 3000 feet; located 1877; situated on Republican mountain, near town of Silver Plume, two and a half miles from Georgetown; length of tunnel, 100 feet; designed to intersect the Loretta lode.

Tenth Legion. Owned by the Knickerbocker Mining Co.; office, New York city; claim, 50 by 400 feet, patented; situated on Silver mountain, Upper Union mining district, two miles from railroad; course of vein, northeast and southwest, width, 3 to 30 feet, pay vein, 14 inches, pitch 10° north; nature of ore, iron and copper pyrites and carbonate of copper, average value, 100 ounces silver per ton; main shaft, 265 feet deep, aggregate length of levels, 215 feet, being 90, 180 and 230 feet from surface, respectively; shaft house 30 by 60 feet, containing a 12-horse power engine; yield to date, $120,000.

Terrible. Situated on Brown mountain, near town of Brownville, three miles from Georgetown; course of vein, north 77° east, pitch 16° north, pay vein, 9 inches; nature of ore, galena, zincblende and copper pyrites; has produced largely.

Tilden, Samuel J. Owned by the Marshall Silver Mining Co., F. J. Marshall prest. and supt., W. C. Williams, sec., G. W. Hall, treas.; office, Georgetown; claim, 50 by 1500 feet, patented; discovered 1876; situated on Leavenworth mountain, Griffith mining district, two miles from Georgetown; width of vein, 15 feet, pay streak, 10 inches; average value of ore, 600 ounces silver per ton; main shaft 150 feet deep, 3 levels, aggregate length, 400 feet; reached by the O. K. Tunnel, 200 feet from the mouth, and intersected at a depth of 110 feet.

Trailor. Owned by Alexander Lawson; office, Lawson; claim, 150 by 1500 feet; located 1878; situated on Red Elephant mountain; Downieville mining district, near town of Lawson, forty-five miles from Denver.

Trailor. Owned by W. W. Trailor, T. J. Huff and W. Collins; claim, 150 by 1500 feet; located 1878, situated on Hukill gulch, Spanish Bar mining district, two miles from Idaho Springs; course of vein, northeast and southwest, width, 4 feet, pay vein, 5 inches; nature of ore, galena, iron and copper pyrites, average value, $50 per ton; one shaft, 40 feet deep.

Treasure. Owned by Nelson and John Tallman and K. P. Grove, of Georgetown; claim, 150 by 1500 feet; located 1877; situated on Democrat mountain, Griffith mining district, two miles from Georgetown; course of vein, southwest and northeast, width 20 feet, pay vein, 20 inches, pitch 5° south; nature of ore, sulphurets, average value, $60 per ton; one tunnel, 75 feet in length.

Treasure. Owned by William Baker and Dr. Vandevort, of Georgetown; claim, 150 by 1600 feet; located 1872; situated on Leavenworth mountain, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest, width, 55 feet, pitch 10° north, pay vein, 8 inches to 3 feet; nature of ore, gray copper and galena, average value, 377 ounces silver per ton; aggregate length of tunnels, 300 feet.

Trenton Mining Co., incorporated September 26, 1872; capital stock, $25,000, in 5,000 shares, $5 each; offices, Idaho Springs, Colorado, and Trenton, New Jersey; organized by John Collom, Daniel Peters and Charles Collom.

Trevellian, Placer. Owned by James Trevellian & Co.; office, Spanish Bar; claim comprises three acres of ground; situated on Seser's Bar, near town of Idaho Springs, 41 miles from Denver.

Trio. William and Henry Helmer, I. N. Henry and R. L. Rohm; proprietors; office, Central City; claim, 150 by 950 feet; located 1875; situated on the eastern slope of Bellevieu mountain, Idaho mining district, three miles from Central City; course of vein, northeast and southwest, pitch 45° north, width, 3 feet, pay vein, 8 inches to one foot; nature of ore, iron and copper pyrites, average value of mill ore, 18 ounces gold per cord, smelting ore, $175 per ton; main shaft, 100 feet deep, one drift, 100 feet in length.

Tropic. Owned by Turnbull & Co.; claim, 150 by 1500 feet, patented; located 1869; situated on Columbia mountain, Montana mining district, two miles from Lawson and six miles from Georgetown; vertical vein, trending east and west, width, 7 feet, pay vein, 12 inches; nature of ore, galena, average value, $110 per ton; one adit, 180 feet in length.

Tunnel. Owned by Fletcher Kelso; situated on Kelso mountain, eight miles from Georgetown; course of vein, east and west, pay vein, 5 inches; nature of ore, galena and porphyry, value, 100 ounces silver per ton; developed by a shaft 100 feet deep and a tunnel, 40 feet in length.

Tycoon. Situated on Brown mountain, near Brownville, four miles from Georgetown.

Union Tunnel. Situated on Brown mountain, near Brownville, four miles from Georgetown.

United Pelican and Dives Mining Company of Colorado, incorporated December 20, 1877; capital stock, $1,500,000, in 150,000 shares, $10 each; office, Georgetown; trustees, Bela M. Hughes, Eli S. Streeter, Thomas McCunniff, Benjamin F. Napheys, Edward Y. Naylor, William A. Hamill, Frank M. Taylor, George G. Symes and John L. Routt.

U. S. Coin. Situated on Brown mountain, near Brownville, four miles from Georgetown.

Vetra Madre Mining Co., incorporated June 14, 1877; capital stock, $500,000, in 20,000 shares, $25 each; office, Denver; trustees, James F. Welborn, John Stuart, Daniel Sayer, Jacob F. Cypher and Milton Mills.

Washington. Situated on Brown mountain, near Brownville, four miles from Georgetown.

Wooster. Owned by William Mendenhall and others; situated on Kelso mountain, eight miles from Georgetown; developed by a shaft 50 feet deep, a tunnel, 175 feet, and one level, 55 feet in length; value of ore, 200 ounces silver per ton.

Victor. Owned by D. S. Bailey, S. W. Nott and Cushman estate; office, Georgetown; claim, 50 by 1500 feet, located 1866; situated on Griffith mountain, Griffith mining district, one mile from Georgetown; vertical vein, running northwest and southeast, width, 2 feet; nature of ore, galena, zinc-blende and silver glance, average value, $350 per ton; main shaft, 20 feet deep, one tunnel, 50 feet in length.

Victor. Owned by E. T. Carr and William Warwick; office, Central City; claim, 100 by 1000 feet; discovered 1873; situated on Bellevieu mountain, Virginia mining district, three miles from Central City; width of vein, 15 inches, average value of ore, 6 ounces gold per cord; main shaft, 70 feet deep.

Victor Silver Mining Co., incorporated April 7, 1876; capital stock, $150,000, in 1,500 shares, $100 each; offices, Georgetown, Colorado, and Indianapolis, Ind.; organized by Benjamin F. Claypool, Richard J. Bright, Edward F. Claypool, Morton W. Latson and William R. McKeen.

Victor Silver Mining Co., incorporated August 2, 1871; capital stock, $50,000, in 500 shares, $100 each; office, Black Hawk; organized by Edward Bowden, George E. Congden, M. F. Bebee, Ed. A. Seiwell, Samuel P. Lathrop, John Needham, Frederick Leighton, George A. Patten and S. W. Lincoln.

Victor. Victor Silver Mining Co., proprietors; T. J. Oyler, prest., E. A. Seiwell, sec., John Needham, supt.; office, Black Hawk; claim, 150 by 1400 feet, patented; discovered 1863; located on Seaton Hill, Idaho mining district, near town of Idaho Springs, two miles from railroad; course of vein, northeast and southwest.

Virgin. Owned by Zadock Kalbaugh and W. W. Wrigley; office, Georgetown; claim, 50 by 1400 feet, patented; located 1866; situated on Sherman mountain, Griffith mining district, three miles from Georgetown; course of vein, northeast and southwest; width, 4 feet, pitch 5° north, pay vein, 3 to 5 inches; nature of ore, galena and sulphurets, average value, 375 ounces silver per ton; one shaft, 45 feet deep, aggregate length of levels, 110 feet.

Vulcan. Owned by George and David Meyers and C. E. Pollard; office, Georgetown; claim, 150 by 1500 feet, patented; situated on Republican mountain, Griffith mining district, three miles from Georgetown; vertical vein, trending north and south, width, 3 feet, pay vein, 6 inches; nature of ore, galena, gray copper and sulphuets, average value, $400 per ton; one shaft, 60 feet deep, one tunnel, 95 feet, and one level, 150 feet in length.

Wall Street. Owned by Charles P. Baldwin and heirs of Jacob Snider; office, Georgetown; claim, 50 by 3000 feet, patented; located 1867; situated south of Silver Creek, Montana mining district, two miles from Lawson and eight miles from Georgetown; width of vein, 15 feet, pay vein, one to 10 inches; nature of ore, silver glance, average value, 300 ounces silver per ton; three shafts, aggregate depth 230 feet, two levels, 105 and 60 feet in length respectively.

Walton. Owned by David N. Smith, of Georgetown; claim, 150 by 1500 feet; located 1872; situated on Brown mountain, Queens mining district, one mile from Brownville and two miles from Georgetown; course of vein, northeast and southwest, width, 6 feet, pitch north, pay vein, 4 inches; nature of ore, galena and gray copper, average value, 346 ounces silver per ton; main shaft, 32 feet deep, one tunnel, 324 feet, and one level, 100 feet in length.

Ward, Sallie, Owned by the Lebanon Mining Co., Julius G. Pohle, supt.; office, Georgetown; claim, 50 by 1600 feet, patented; located 1865; situated on Republican mountain, Griffith mining district, one mile from Georgetown; width of vein, 4 feet, pay streak, 2 feet; average value of ore, 800 ounces silver per ton; main shaft, 160 feet deep, one level, 100 feet in length and 160 feet from surface; reached by the Lebanon tunnel at a distance of 320 feet from the mouth and intersected at a depth of 160 feet.

West Rip Van Winkle Silver Mining Co., incorporated October 29, 1878; capital stock, $150,000, in 15,000 shares, $10 each; offices, Denver, Colorado, and St. Joseph, Mo.; organized by William B. Slosson, Rodney Curtis and Carver J. Goss.

Whale. Hukill Gold and Silver Mining Co., proprietors; office, Idaho Springs; claim, 150 by 1500 feet, patented; located 1860; situated on Clear Creek, Spanish Bar mining district, one mile from Idaho Springs and forty-one miles from Denver; main shaft, 225 feet deep, one adit, 277 feet in length; ore mill, 75 by 139 feet, capacity, 20 tons per day.

White. Owned by Philip E. Morehouse, Carver J. Goss, Charles H. Marshall and Henry Thompson; office, Lawson; claim, 150 by 2750 feet, patented; located 1877; situated on Red Elephant mountain, near town of Lawson, forty-five miles from Denver; course of vein, northwest and southeast, width, 8 to 25 feet, pay vein, 2 to 24 inches, pitch 45° north; nature of ore, native silver, gray copper and galena, average value, $225 per ton; main shaft, 100 feet deep, aggregate depth of other shafting 250 feet, four adits, 60, 80, 90 and 250 feet in length respectively, one level, 70 feet from surface and 80 feet in length; yield to date, $40,000.

White Silver Mining Co., incorporated July 31, 1878; capital stock, $100,000, in 1,000 shares, $100 each; offices, Georgetown, Colorado, and New York City; directors, Charles E. Biglow, Joshua R. Biglow, Alexander McDonald, John H. Weston and William H. Moore.

Wickliff, Nat. Owned by the Lebanon Mining Co., Julius G. Pohle, supt.; office, Georgetown; claim, 50 by 1600 feet, patented; located 1865; situated on Red Elephant mountain, Griffith mining district, one mile from Georgetown; course of vein, northeast and southwest, width, 5 feet, pay vein, 3 inches to one foot; nature of ore, galena and iron pyrites, average value, $200 per ton; main shaft, 50 feet deep, one level, 20 feet in length.

Wilson, John M. Owned by the Consolidated Hercules and Roe Silver Mining Co., G. W. E. Griffith, prest., H. M. Griffin, treas.; office, Denver; claim, 50 by 3,000 feet, patented; located 1868; situated on Brown mountain, Griffith mining district, three miles from Georgetown; width of vein, 3 feet, pay vein, 4 inches; nature of ore, galena and sulphurets, average value, 300 ounces silver per ton.

Windsor. Owned by George L. Cannon; office, Idaho Springs; claim, 150 by 1500 feet; located 1873; situated on Schaffter mountain, Idaho mining district, near town of Idaho Springs; vertical vein, running northeast and southwest, width, 5 feet, pay vein, 10 inches; nature of ore, free gold, average value, 6 ounces gold per cord; main shaft, 40 feet, and one other shaft 30 feet deep.

Winnebago. Horace H. Atkins, proprietor; office, Georgetown; claim, 150 by 1500 feet, patented; situated on Leavenworth mountain, Griffith mining district, one mile from Georgetown; course of vein, northeast and southwest, width, 3½ feet, pitch 15° north, pay vein, 9 inches; nature of ore, gray copper, average value, $275 per ton; main shaft, 125 feet deep.

Wisconsin Central. Owned by Edward Riley & Co.; office, Georgetown; claim, 50 by 1500 feet; located 1865; situated on Kelso mountain, West Argentine mining district, nine miles from Georgetown; vertical vein, trending north and south, width, 5 feet, pay vein, 15 inches; nature of ore, galena, average value, $75 per ton; three adits, aggregate length 480 feet; yield to date, $3,000.

Wyandott. Owned by B. C.

Catren and Thomas Fenney; office, Georgetown; claim, 150 by 1500 feet; discovered 1878; situated on Griffith mountain, Griffith mining district, one mile from Georgetown; width of vein, 4 feet, pay streak, 12 inches; average value of ore, 200 ounces silver per ton; main shaft, 40 feet deep, one level, 30 feet in length.

Yandes Silver Mining Co., incorporated April 7, 1876; capital stock, $100,000 in 1000 shares, $100 each; offices, Georgetown, Col., and Indianapolis, Ind.; organized by Benjamin F. and Edward F. Claypool, Morton W. Latson, William R. McKeen and Richard J. Bright.

Yingling. Owned by Charles E. Robinson; office, Spanish Bar; claim, 150 by 1500 feet; located 1877; situated on Clear Creek, Spanish Bar mining district, forty-two miles from Denver; vertical vein, trending north and south, width, 2 feet; one adit 115 feet in length.

Young America. Enos K. Baxter & Co., proprietors; office, Central City; claim, 150 by 1500 feet; located, 1867; situated on Red Elephant mountain, Downieville mining district, near town of Lawson, forty-five miles from Denver; vertical vein, running east and west, width, 3 feet, pay vein 6 to 12 inches; nature of ore, galena, gray copper and native silver, average value, $200 per ton; main shaft, 100 feet, and three other shafts 30, 40 and 60 feet deep respectively, one level 100 feet from surface and 40 feet in length.

Young America. Owned by the Young America Silver Mining Co.; office, Georgetown; claim, 150 by 1500 feet, patented; located, 1866; situated on Downieville hill, Downieville mining district, six miles from Georgetown; course of vein, northeast and southwest, width, 6 feet, pitch, north, pay vein, 6 inches; nature of ore, galena and gray copper, average value, 300 ounces silver per ton; aggregate depth of shafts, 345 feet, one adit 520 feet in length.

ORE MILLS,

AND MILLING INCORPORATIONS.

Bay State Mill. Owned by the Bay State Mining Co., of Boston, Mass; situated near town of Empire, two miles from Georgetown; contains twelve stamps, with other machinery.

Church Bros. Sampling and Crushing Works; situated in Georgetown; have a crushing capacity of 40 tons daily; the main building is 50 by 80 feet, with a store house 25 by 30 feet.

Clear Creek Co. H. Augustus Taylor, president, F. M. Taylor, secretary and treasurer; the works of this company are situated in Georgetown, have a capacity for treating 50 tons of ore daily, consists of three buildings, 28 by 84, 18 by 76, and 40 by 120 feet, respectively, and contain all necessary machinery for the successful treatment of ore.

Collom Idaho Ore Dressing Co.,

incorporated April 17, 1874; capital stock, $50,000, in 500 shares, $100 each; office, Idaho Springs, Colorado, and Trenton, New Jersey; organized by John and Charles Collom, Daniel Peters, Frederick R. Williamson and William Hancock.

Conqueror Mill. Owned by the Conqueror Gold Mining Co.; Park Disbrow, vice president and superintendent; situated in town of Empire, three miles from Georgetown; the main building is 35 by 50 feet, and contains all necessary machinery.

Equator Mill. Owned by the Equator Mining and Smelting Co.; William O. Carpenter, president, John Turck, vice president, James B. Goodman, secretary and treasurer, H. S. Kearney, agent and superintendent; situated two miles from Georgetown, in Griffith mining district.

Fall River Mill. Owned by Joseph A. Munn and John M. Osborn; situated in town of Fall River; has a capacity for treating 50 tons of ore in 24 hours, and contains a 70-horse power water wheel and twenty stamps; main building 45 by 50 feet.

Farwell Mill. Owned by John V. Farwell, of Chicago; Samuel Learned, manager; has a capacity for treating 20 tons of ore daily, and is situated in the upper part of Georgetown, on the west branch of Clear Creek; the main building is 90 by 140 feet, contains fifteen stamps, Dodge crusher, 24-inch Cornish rollers, three Bruckner cylinders, two Turbine water wheels, 50-horse power engine, &c.

Hall's Crushing and Sampling Works. Owned by G. W. Hall & Co.; situated in Georgetown; has a capacity for treating 75 tons of ore in 24 hours; main building is 45 by 60 feet, and contains a 40-horse power turbine wheel, crushers, rollers, etc.

Lebanon Concentration and Sampling Mill. Owned by the Lebanon Mining Co., of New York, Julius G. Pohle, supt.; situated near Silver Plume, two miles from Georgetown.

McCann's Crushing and Sampling Works. Owned by T. J. McCann; situated in town of Lawson, on Colorado Central railroad, forty-five miles from Denver; main building is 25 by 40 feet, and contains a 10-horse power engine, crushers, rollers, etc.

Miles Concentration and Sampling Works. Owned by Miles & Co.; situated in town of Idaho Springs; capacity, 25 tons of ore per day; main building is 45 by 60 feet, and contains a 40-horse power engine, crushers, rollers, etc.

Pelican Mill. Operated by Franklin Ballou and Benjamin F. Napheys; situated at junction of Main and Alpine streets, Georgetown; run by steam and water power; has a capacity for treating 80 tons of ore in 24 hours; main building is 80 by 100 feet, and contains a 60-horse power engine, an amalgamating mill of ten stamps, eight one-ton barrels, five Bruckner cylinders and a water wheel twelve feet in diameter.

Robinson Mill. Owned by Charles E. Robinson; situated on Clear Creek, two miles from Idaho Springs and forty-two miles from Denver; main building is 40 by 70 feet and contains a 25-horse power engine, a Robinson furnace, pair of steam stamps, a Frieberg pan and one large crusher; has a capacity for treating 10 tons of ore daily.

Rocky Mountain Crushing and Sampling Works. Owned by Mathews, Morris & Co., James F. Mathews, manager; situated corner of 3rd and Argentine streets, Georgetown; has a capacity for treating 30 tons of ore in 10 hours; main building is 40 by 60 feet, with an office and assay laboratory attached; contains a 25-horse power engine, crusher, Cornish rollers and all other necessary machinery.

Silver Plume Concentration and Sampling Works. Owned by Franklin Ballou; situated in Silver Plume, on south Clear Creek, two miles west of Georgetown; has a capacity for treating 40 tons of ore in 20 hours; main building is 45 by 102 feet and contains a 40-horse power engine, Blake crusher, Cornish rollers and a complete set of sizing apparatus.

Silver Queen Milling Company, incorporated May 26, 1875; capital stock, $250,000, in 2,500 shares $100 each; office, Georgetown; organized by W. Willet Rose, Julius G. Pohle, William W. Rose, Jr., William V. Simpson, Charles S. Reinhart.

Specie Payment Mill. Owned by the Sunshine Mining Co., of Troy, New York; John Newman, prest. and general manager; situated at Idaho Springs, on Clear Creek, thirty-nine miles from Denver; contains 25 stamps and other machinery.

Stephens Concentration Mill. Owned by Amos P. Stephens; situated in town of Lawson; has a capacity for treating 25 tons of ore in 24 hours.

Stewart's Works. Situated in the lower part of Georgetown; contains 20 stamps, furnaces amalgamating pans, eight tanks with stirrers, vats, etc.; has a capacity for treating 24 tons of ore daily.

Tennessee Mill. Owned by the Tennessee Mining Co.; situated in Lyons gulch, two miles from railroad; has a capacity for treating 10 tons of ore in 24 hours.

Terrible Mill. Owned by the Colorado United Mining Co., England; Hon. William A. Hamill, manager; situated on south Clear Creek, in town of Brownville, three miles from Georgetown; main building is 85 by 98 feet, contains a 60-horse power engine and two large boilers, two crushers, two rollers manufactured by Fraser & Chalmers of Chicago, six Hartz jigs, screens, etc.; has a capacity for treating 50 tons of ore in 24 hours.

Washington Crushing and Sampling Mill. Owned by L. F. Olmsted and Franklin Ballou; situated on Main street, Geergetown; contains a 20-horse power engine, Dodge crusher, Cornish rollers, etc.

Whale Concentration Mill. Owned by the Hukill Gold and silver Mining Co.; situated on the Colorado Central railroad, one mile from Idaho Springs; has a capacity for treating 20 tons of ore daily; main building 75 by 140 feet, constructed of brick.

White's Concentration Mill. Owned by S. H. White; situated on Clear Creek, in the town of Idaho Springs; has a capacity for treating 50 tons of ore daily; main building is 40 by 80 feet; contains a 70-horse power turbine water wheel, Blake crusher, Cornish rollers, jigs, screens, etc.

CUSTER COUNTY.

The area of this county is 774 square miles. It is bounded on the north by the county of Fremont, east by Pueblo county, west by the county of Sagauche, and south by the counties of Huerfano and Sagauche. The population is 3,500, and the bullion product for 1878 $600,000.

Albion. Owned by John J. Edwards, Henry S. Webb and Robert Foster; situated near town of Silver Cliff, eight miles from Rosita; development, three shafts, 12, 15 and 40 feet, respectively.

Alma. Owned by the Ula Mining and Reduction Co., Robert Foster, supt.; located near town of Silver Cliff, eight miles from Rosita; development, one shaft 53 feet deep; the ore ranges in value from 30 to 600 ounces silver per ton.

Alta. Owned by the Alta and Verde Mining Co.; incorporated October 30, 1876; capital stock $30,000, in 600 shares $50 each; office, Rosita, Colorado; George Boyce, prest., Alexander Thornton, vice-prest. and manager, R. N. Clark, sec. and treas.; claim, 300 by 1500 feet; located 1876; situated in Verde mining district, five miles from Ula and five miles from Rosita; course of vein, northeast and southwest, pay vein, one foot; nature of ore, gray copper and copper pyrites, average value, 50 ounces silver per ton; one drift 75 feet in length; the country surrounding this property is heavily timbered and well watered.

Arminius. Owned by Carl Wulsten, of Rosita; claim, 300 by 1500 feet; located 1877; situated on Game Ridge, Hardscrabble mining district, half-mile from town of Rosita; course of vein, northwest and southeast, width, 3 feet, pitch 20° northeast, pay vein, 2 inches; nature of ore, gray copper, iron and copper pyrites; main shaft 20 feet deep, one tunnel 92 feet in length.

Belfast. Owned by Powell, Edwards, Hafford & McComb; claim, 300 by 1500 feet; located August, 1878; situated in town of Silver Cliff six miles from Rosita; developed by a surface opening 30 feet in length, and a shaft 25 feet deep.

Bunker Hill. Owned by Carl Wulsten, of Rosita; claim, 300 by 1500 feet; located 1878; situated on Bunker hill, Hardscrabble mining district, two miles from town of Rosita; course of vein, northwest and southeast, width, 12 feet, pitch 50° southwest, pay vein, 4 feet; nature of ore, carbonate of lead and silver; developed by two tunnels, 52 and 40 feet in length, respectively.

Cherokee. Owned by Theodore M. Harding, D. J. Hutchinson, Robert Foster and others; situated at foot of the Blue range, two miles from town of Silver Cliff and eight miles from Rosita.

Columbus. Owned by Carl Wulsten, of Rosita; claim, 300 by 1500 feet; located 1875; situated on Game ridge, Hardscrabble mining district, half mile from town of Rosita; course of vein, northwest and southeast, width, 3 feet, pitch 10° southwest, pay vein, 3 inches; nature of ore, gray copper and copper pyrites, average value, 150 ounces silver per ton; main shaft, 75 feet and and one other shaft, 35 feet deep, shaft house, 14 by 18 feet.

Custer County Tunnel Co., Colorado, incorporated February 13, 1877; capital stock, $40,000, in 400 shares, $100 each; office, Rosita; trustees, Charles F. Blossom, Charles Baker, W. L. Knight; James A. Melvin and W. A. Offenbacher.

Cymbeline. Owned by Richard Irwin and Thomas C. Parrish, of Rosita; claim, 300 by 1500 feet; located 1873; situated on Game ridge, Hardscrabble mining district, within the limits of Rosita; course of vein, northwest and southeast, width, 3 feet, pitch 15° east, pay vein, 4 inches; nature of ore, sulphurets and galena, average value, 50 ounces silver per ton; main shaft, 80 feet deep.

Del Monte. Owned by Sargeant, Combs & Co., of Rosita; claim, 300 by 1500 feet; located 1876; situated near Bunker hill, Hardscrabble mining district, three miles from town of Rosita; course of vein, northwest and southeast, width, 8 feet, pitch 30° west, pay vein, 9 inches; nature of ore carbonates and galena, average value, 100 ounces silver per ton; main shaft, 80 feet, and one other shaft 60 feet deep.

Denver. Owned by B. D. Spencer and others; claim, 300 by 1500 feet; located September, 1878; situated two miles north of Silver Cliff and ten miles west of Rosita; course of vein, northeast and southwest, width, 4 feet; assay value of ore, 47 ounces silver per ton; developed by a shaft 40 feet deep.

Elizabeth. Owned by Daniels, Bros. & Co., of Rosita; claim, 300 by 1500 feet; located 1876; situated on Plymouth hill, Hardscrabble mining district, within the limits of Rosita; course of vein, northwest and southeast, width, 5 feet, pitch 20° north, pay vein, 5 inches; nature of ore, gray copper, iron and copper pyrites, average value, 60 ounces silver per ton; main shaft, 133 feet, and one other shaft, 65 feet deep; two shaft houses, 18 by 20 feet, and 40 by 40 feet, respectively.

Eureka. Owned by H. N. and J. L. Webb, of Rosita; claim, 1200 by 300 feet; located 1875; situated on Eureka hill, Hardscrabble mining district, one mile from town of Rosita; course of vein, northwest and southeast, width, 5 feet, pitch 30°, pay vein, one foot; nature of ore, gray copper and copper pyrites, average value, 60 ounces silver per ton; main shaft, 103 feet, and one other shaft, 35 feet deep, one level, 25 feet in length, and 60 feet from surface.

Fleetwood. Operated by C. C. Davidson and others; office, Denver; claim, 100 by 1500 feet; located, September, 1878; situated on the north side of Wet Mountain valley, Hardscrabble mining district, three miles from Ula and eight miles from Rosita; course of vein, east and west; nature of ore, chloride of silver; development, two shafts, 45 and 70 feet respectively; at a depth of 40 feet, two assays were made which assayed 339 ounces, and at a depth of 60 feet the ore assayed 180 ounces silver per ton.

Ben Franklin. Owned by Prescott, Maxwell & Thurmond, of Rosita; claim, 300 by 1500 feet; located 1877; situated on Ben Franklin hill, Hardscrabble mining district, two miles from town of Rosita; course of vein, northwest and southeast, width, 15 feet, pitch 25° south, pay vein, one foot; nature of ore, gray copper and galena, average value, 125 ounces siver per ton; main shaft, 70 feet, and one other shaft, 53 feet deep, aggregate length of levels, 92 feet, being 45 and 67 feet from surface respectively.

General Custer. Owned by Duncan, Adams & Webb, of Rosita; claim, 300 by 1500 feet; located 1875; situated on Robinson hill, Hardscrabble mining district, half mile from town of Rosita; vertical vein, running east and west, width, 2 feet, pay vein, 6 inches; nature of ore, gray copper and iron pyrites, average value, 50 ounces silver per ton; main shaft, 60 feet, and one other shaft, 40 feet deep, one level, 20 feet in length and 50 feet from surface.

Golden Era. Owned by Edmund C. Bassick, of Rosita; this property comprises 20 acres of mineral land, located on Tyndall hill, Hardscrabble mining district, three miles from town of Rosita; the nature of the ore is galena, zinc-blende, sylvanite and free gold, and averages $500 per ton; the mine has already produced over $500,000, besides a pile of ore remaining at the mine estimated to be worth $300,000; it is developed by a shaft 18 feet in width by 20 feet in length, and 300 feet deep, two tunnels 175 and 450 feet in length respectively, and four levels, ranging in depth from 40 to 200 feet; a tunnel intersects the shaft at a depth of 200 feet, at which point a chamber has been excavated 30 by 30 feet for machinery; it is estimated by experts that there is fully $1,000,000 worth of ore in sight in this mine; on the surface is a shaft house 20 by 20 feet, and an ore house 16 by 40 feet.

Golden Fleece. Owned by Ely Gill and H. C. Nichols; office, Ula; claim, 300 by 1500 feet; located December 24, 1878; situated two miles from town of Silver Cliff and eight miles from Rosita; value of ore, 34 ounces silver per ton; one shaft 25 feet deep.

Governor Pitkin. Owned by Charles F. Burrell; office, Denver; claim, 300 by 1500 feet; located September, 1878; situated three miles from town of Silver Cliff and seven miles from Rosita; one shaft, 12 feet deep.

G. V. F. Owned by A. M. McElhenney and W. Emigh, of Rosita; claim, 300 by 300 feet; located 1874; situated in Nebraska gulch, Hardscrabble mining district, one mile from town of Rosita; vertical vein, running northwest and southeast, width, 4 feet, pay vein, 4 inches; nature of ore, gray copper, average value, 120 ounces silver per ton; main shaft, 105 feet deep, one level 25 feet in length and 100 feet from surface; shaft house 12 by 16 feet.

Horn and Chloro Silver. Owned by R. J. Edwards, Robert Powell, George H. Hafford, and others; office, Silver Cliff and Denver, Colorado; claim, 300 by 2300 feet; located August, 1878; situated south of Round mountain, Hardscrabble mining district, four miles from Ula and seven miles from Rosita; course of vein north and south, nature of ore, chloride of silver, average value, 100 ounces silver per ton; developed by an open cut 50 feet in length and a shaft 50 feet deep; yield, $5,000.

Humboldt. Owned by the Humboldt Silver Mining Co.; incorporated October 20, 1875; capital stock, $74,000, in 74 shares, $1,000 each; office, Rosita, Colorado, George Boyce, prest., Alexander Thornton, vice prest. and manager, R. N. Clark, sec.; claim, 300 by 1900 feet, patented; located 1874; situated on Lucille hill, Hardscrabble mining district, within limits of Rosita; course of vein, northwest and southeast; width, 2½ feet, pitch, 10° southwest, pay vein, 6 inches, nature of ore, gray copper and copper pyrites, average value, 125 ounces silver per ton; main shaft, 420 feet deep, and other shafting aggregating 895 feet, aggregate length of levels, 2150 feet; shaft house 40 by 80 feet, containing an engine and a steam pump; total yield to January, 1878, $225,604.

Indian Chief. Owned by Alfred D. Avery, Charles R. and William S. Hurd; office, Denver and Silver Cliff, Colorado; claim, 300 by 1500 feet; located 1878; situated on Round mountain, one mile from town of Silver Cliff and six miles from Rosita; course of vein, northwest and southeast, nature of ore, chloride of silver, average value, 125 ounces silver per ton; developed by a shaft 60 feet deep.

Inter-Ocean Tunnel Co., incorporated December 9, 1874; capital stock $50,000, in 14 shares; office, Rosita; Colorado; organized by G. S. Barlow, Z. Swarenger, William A. Lyons, Ed. P. Smith, Frank A. Smith, John C. Myers and H. N. Kelly.

Jersey. Owned by H. N. and J. L. Webb, of Rosita; claim, 300 by 1500 feet; located 1875; situated on Jersey hill, Hardscrabble mining district, half mile from town of Rosita; vertical vein running northwest and southeast, width, 2 feet, pay vein, 4 inches; nature of ore, gray copper and copper pyrites, average value, 50 ounces silver per ton; main shaft, 50 feet deep, one level 30 feet in length and 50 feet from surface.

King of the Valley. Owned by August Rische, D. R. and A. M. Cassiday, J. S. Smith and A. J. Woodside; office, Denver; claim, 300 by 1500 feet; located August, 1878; situated half mile from town of Silver Cliff, three miles from town of Ula, and six miles from Rosita; course of vein, east and west, width, 80 feet; nature of ore, chloride of silver, average value, 140 ounces silver per ton; developed by four shafts, 40, 50, 65 and 90 feet, respectively, and a surface opening 80 feet in length; yield, $6,000.

Leavenworth. Owned by Paul Goerke and Theodore F. Braun, of Rosita; claim, 300 by 1500 feet; located 1874; situated on Robinson hill, Hardscrabble mining district, half mile from town of Rosita; course of vein, northwest and southeast, width, 12 feet, pitch, 10° south, pay vein, 18 inches; nature of ore, copper pyrites and gray copper, average value 125 ounces silver per ton; main shaft, 107 feet, and one other shaft 80 feet deep, aggregate length of levels 150 feet, being 50 and 90 feet from surface, respectively; shaft house 80 by 20 feet.

Leftwick. Owned by Charles F. Burrell and others; office, Denver; claim, 300 by 1500 feet; located July, 1878; situated on Horn Silver hill, one mile from town of Silver Cliff and seven miles from Rosita; course of vein, northeast and southwest; nature of ore, chloride and horn silver, average assay value, 65 ounces silver per ton; developed by a shaft 25 feet deep.

Leviathan. Owned by Benjamin Mattice and F. A. Raynolds; office, Pueblo; claim, 350 by 750 feet; located 1873; situated on Lucille hill, half mile from Rosita and thirty miles from Cañon City; course of vein, northwest and southeast, width 23 feet, pay vein 4 inches; nature of ore, gray copper, value, 90 ounces silver per ton; main shaft, 125 feet deep, two levels, 50 and 100 feet in length, respectively; shaft house, 20 by 30 feet; yield to date, $4,000.

Lone Star. William H. Mills, proprietor; office, Ula; claim, 300 by 1500 feet; located 1876; situated on Texas creek, Sangre de Cristo mining district, six miles from Ula and fifteen miles from Rosita; course of vein, east and west, width, 11 feet, pitch 15°; nature of ore, copper pyrites, assay value, 4 ounces gold per ton; one tunnel, 30 feet, and one level, 20 feet in length.

Lucille. Owned by Hoyt, Bangs and others, of Rosita; claim, 300 by 1500 feet; located 1873; situated on Lucille hill, Hardscrabble mining district, within limits of Rosita; course of vein, northwest and southeast, width, 6 feet, pitch 20° north, pay vein, 4 inches; nature of ore, galena and gray copper, average value, 300 ounces silver per ton; main shaft, 55 feet deep, aggregate length of other shafting 165 feet, aggregate length of levels, 100 feet; shaft house, 16 by 24 feet.

Michigan Gold and Silver Mining Co., organized under the laws of the State of Michigan, August 28, 1878; capital stock, $500,000, in 50,000 shares, $10 each; offices, Rosita, Colorado, and Hudson, Mich.; trustees, Stephen A. Edon, Jacob J. Daniels, Harry A. Branch, Charles E. Lawrence and J. K. Boies.

Nevada. Owned by the Ula Mining and Reduction Co., Robert Foster, supt.; situated near town of Silver Cliff, two miles from town of Ula and eight miles from Rosita.

Old Colony. Owned by the Ula Mining and Smelting Co., Robert Foster, supt.; situated near town of Silver Cliff, Hardscrabble mining district, eight miles from Rosita; developed by two shafts, 30 and 40 feet respectively.

Plata Verde. Owned by Robinson & Junkins; office, Silver Cliff; claim, 300 by 1500 feet; located July, 1878; situated on Round mountain, one mile east of Silver Cliff and seven miles from Rosita; nature of ore, chloride of silver, which ranges in value from 42 to 563 ounces silver per ton; developed by an open cut, 15 feet in width by 40 feet in length; yield to date, $5,000.

Pocahontas. Owned by Theodore W., Hiero B. and A. J. Herr, H. C. Lehman and A. J. Ballard; offices, Denver and Rosita, Colorado; claim, 300 by 1385 feet; located 1874; situated on Lucille hill, within the limits of the town of Rosita; course of vein, northeast and southwest, average width, 25 feet, pitch 18° southwest, pay vein, 12 inches; nature of ore, baryta, silver, copper, iron, antimony and sulphur, with traces of gold, average value, 150 ounces silver per ton; developed by a main shaft, 210 feet deep, and three other shafts which aggregate 500 feet, a tunnel, 250 feet, and levels, aggregating 2000 feet in length; the main shaft is 8 feet in width by 16 feet in length, is not on the vein and extends 71 feet below the lower level, which is 300 feet from the surface; it is the intention of the owners to run adits from the shaft to the vein at each 100 feet; on the surface is a shaft house, 30 by 40 feet, containing a 30 horse power engine, an air compressor and steam pump, two large ore assorting houses, two blacksmith shops, a boarding house and three dwelling houses, railroad track and iron cars; the standard coin value of ore sold from this mine is $280,000, and ore now at the mine is estimated to be worth $300,000.

Polonia. Owned by Melvin, Bothwell & Goerke, of Rosita; claim, 300 by 1200 feet; located 1874; situated in Nebraska gulch, Hardscrabble mining district, one mile from town of Rosita; course of vein, east and west, width, 5 feet, pitch 10° north, pay vein, 8 inches; nature of ore, gray copper and iron pyrites, average value, 90 ounces silver per ton; main shaft, 118 feet and one other shaft, 55 feet deep, aggregate length of levels, 190 feet, being 75 and 95 feet from surface respectively.

Racine Boy. Owned by John W. Bailey, Isaac T. Beck, Fernando C. Taylor, John J. Edwards, Rodney Curtis and George E. Snider; office, Silver Cliff and Denver, Colorado; claim, 300 by 1500 feet; located July, 1878; situated on the north side of Wet Mountain valley, Hardscrabble mining district, three miles from Ula and eight miles from Rosita; course of vein, northeast and southwest; nature of ore, chloride of silver, average value, 150 ounces silver per ton; developed by a tunnel 60 feet in length, a pit 30 feet deep and 30 feet square, one shaft 35 feet deep and three surface openings, aggregating 60 feet in length; yield to date, $75,000.

Rosita Mining Co., incorporated January 15, 1876; capital stock, $100,000, in 1,000 shares, $100 each; office, Rosita; organized by Tower Thomasson, Henry T. Blake, Carl Wulsten, William Schaefer, Frank Canins, Robert Powell and August Strehlong.

Royal Gem. Owned by M. A. Austin & Co., of Rosita; claim, 300 by 800 feet, located 1875; situated on Lucille hill, Hardscrabble mining district, within limits of Rosita; course of vein, northwest and southeast, width, 6 feet, pitch 20° north, pay vein, 5 inches; nature of ore, galena and gray copper, average value, 200 ounces silver per ton; main shaft 150 feet, and one other shaft 50 feet deep, two levels, aggregate length 110 feet, being 50 and 125 feet from surface respectively.

Ruby Cliff. Owned by Powell, Edwards, Hafford and others; situated one mile west of Silver Cliff, and eight miles from Rosita; developed by an open cut 15 feet in length and a shaft 15 feet deep.

San Domingo. Owned by Thyng & Co.; situated on Blue ridge, three miles northeast of Silver Cliff, and ten miles from Rosita; nature of ore, galena, average value, 100 ounces silver per ton; developed by a surface opening 250 feet in length, four shafts ranging in depth from 10 to 25 feet.

Senator. Owned by the Hoyt Mining Co., of Colorado; claim, 300 by 1500 feet; located 1873; situated on Senator hill, Hardscrabble mining district, within the limits of Rosita; course of vein, northwest and southeast, width, 6 feet, pitch 10° north; nature of ore, galena and silver glance, average value, 150 ounces silver per ton; main shaft 65 feet deep, aggregate depth of other shafting, 70 feet.

Silver Cliff. Owned by R. J. Edwards, Robert Powell, George H. Hafford and others; offices, Silver Cliff and Denver, Colorado; claim, 300 by 1500 feet; located June 29, 1878; situated north side of Wet Mountain valley, Hardscrabble mining district, three miles from Ula and eight miles from Rosita; course of vein, northeast and southwest; nature of ore, chloride of silver, average value, 40 ounces silver per ton; developed by a shaft 40 feet deep and surface openings, aggregating 100 feet in length.

Stephens. Owned by Paul Goerke and S. Smith, of Rosita; claim, 300 by 1500 feet; located 1874; situated on Robinson hill, Hardscrabble mining district, near limits of Rosita; course of vein, northwest and southeast, width, 12 feet, pitch 10° south, pay vein, 8 inches; nature of ore, gray copper, iron and copper pyrites; average value, 125 ounces silver per ton; main shaft 70 feet, and one other shaft 40 feet deep.

Tucson. George W. Monk, proprietor; office, Pueblo; claim, 300 by 1500 feet; located 1874; situated on Texan Peak, Sangre de Cristo mining district, six miles from Ula; course of vein, east and west, width, 30 feet, pay vein, 4 feet, pitch 25°; nature of ore, copper pyrites and free gold, average value, $156 per ton; opened on the surface for a distance of 500 feet.

Twenty-Six. Owned by Paul Goerke and F. Schmit, of Rosita; claim, 300 by 1100 feet; located 1874; situated in Nebraska gulch, Hardscrabble mining district, one mile from town of Rosita; course of vein, east and west, width, 5 feet, pitch 10° south, pay vein, 10 inches; nature of ore, gray copper, copper and iron pyrites, average value, 120 ounces silver per ton; main shaft 100 feet deep, one level 100 feet in length and 95 feet from surface; shaft house 16 by 24 feet.

Ula Mining and Reduction Company, incorporated January 13, 1879; capital stock, $300,000, in 3000 shares $100 each; offices, Denver and Silver Cliff, Colorado, John W. Smith, prest., J. H. Jones, vice-prest., A. J. Williams, treas., S. A. Sheppherd, sec., Robert Foster, supt.; the property of this company is located near town of Silver Cliff, Hardscrabble mining district, two miles from town of Ula and eight miles from Rosita, the county seat; it comprises the Alma, Old Colony, Norwich, Crystal Quartz, Haxtun, New York, Olive Branch, Hahns Peak, Sayre, Denver City and Nevada lodes, which cover over ninety acres of surface ground; the claims are 300 feet in width by 1500 feet in length, were located since July, 1878, and have been discovered, surveyed, recorded and developed according to law; shafts have been sunk from 10 to over 60 feet in depth, and mineral has been found in all of them varying in richness and quantity; the close proximity of these lodes to the well known rich mines of the camp gives sufficient assurance that they will when properly developed be of great value; good timber and water power can be obtained within a convenient distance of this property.

Verde. Owned by the Alta and Verde Mining Co., incorporated October 30, 1876; capital stock, $30,000, in 600 shares $50 each; office, Rosita, Colorado, George Boyce, prest., Alexander Thornton, vice-prest. and manager, R. N. Clark, secretary and treasurer, claim, 300 by 1500 feet; located 1876; situated in Verde mining district, five miles from Ula and five miles from Rosita; course of vein, northwest and southeast, width, 4 feet, pitch 45° southwest, pay vein, one foot; nature of ore, gray copper and copper pyrites, average value, 50 ounces silver per ton; one drift 75 feet in length; the country surrounding this property is heavily timbered and well watered.

Victor. Owned by Carl Wulsten, of Rosita; claim, 300 by 1240 feet; located 1878; situated on Lucille hill, Hardscrabble mining district; one mile from town of Rosita; course of vein, east and west, width, 2 feet, pitch 15° south, pay vein, 2 inches; nature of ore, gray copper and carbonates; two tunnels, 110 and 80 feet in length, respectively.

Victoria. Owned by J. A. Melvin, of Rosita; claim, 300 by 1500 feet; located 1874; situated on Lucille hill, Hardscrabble mining district, near limits of Rosita; course of vein, northeast and southwest, width, 15 feet, pitch 10° north, pay vein, 8 feet; nature of ore, gray copper and native silver, average value, 40 ounces silver per ton; main shaft 60 feet and one other shaft 30 feet deep, one level 60 feet in length and 25 feet from surface.

White Pine. Owned by B. D. Spencer and others; office, Denver; claim, 300 by 1500 feet; located August, 1878; situated on Round mountain, Hardscrabble mining district, two miles northwest of Silver Cliff and eight miles from Rosita.

Woodburn. Owned by Theodore M. Harding, D. J. Hutchinson, Lafayette Cornwell and Robert Foster; situated one mile from town of Silver Cliff and eight miles from Rosita; developed by a shaft 25 feet deep.

Virginia. Owned by the Virginia Mining Co., of Rosita, incorporated March 30, 1876; capital stock, $60,000, in 6,000 shares, $10 each; office, Rosita, Mayland Cuthbert, prest., R. N. Clark, vice-prest., Thomas C. Parrish, sec. and treas.; claim, 300 by 1300 feet, patented; located 1873; situated in Hardscrabble mining district, within limits of Rosita; course of vein, northwest and southeast, width, 2½ feet, pitch 10° southwest, pay vein, 10 inches; nature of ore, gray copper and copper pyrites, average value, 115 ounces silver per ton; main shaft, 355 feet deep and five other shafts, aggregating 161 feet, one tunnel, 140 feet in length which intersects the vein at a depth of 184 feet, aggregate length of levels 756 feet, being 22, 25, 122, 184, and 235 feet from surface respectively; shaft house, 40 by 85 feet, containing an engine, boiler and two pumps; total yield to January, 1878, $18,547.

Canon City Coal Co., incorporated October 16, 1878; capital stock, $250,000, in 5,000 shares, $50 each; office, Cañon City; organized by James W. Gaff, Jr., James D. Parker and William H. May.

ORE MILLS.

CUSTER AND FREMONT.

Crushing and Sampling Mill of Scheyer, Dillingham & Co.; situated in town of Silver Cliff, three miles from Ula and seven miles from Rosita; contains a 25 horse power engine and other machinery, has a capacity for treating 25 tons of ore daily.

Mallett Reduction Works. Owned by the Mallett Reduction and Sampling Co., incorporated October 22, 1877; capital stock, $50,000, in 2,000 shares, $25 each; situated in Cañon City; have a a capacity for treating 14 tons of ore daily; the main building is 75 by 200 feet and contains an engine, a turbine wheel, Blake crusher, Ball pulverizer, 5 stamps, vats, pans, etc.

Pennsylvania Reduction Works. Owned by the Pennsylvania Reduction Co., P. H. Van Diest, supt.; situated in town of Rosita; have a capacity for treating 10 tons of ore daily; the main building is 80 by 120 feet and contains all necessary machinery.

Rosita Reduction Works. Owned by John Q. Watkins, of Kansas City; situated in town of Rosita; have a capacity for treating 5 tons of ore daily; the main building is 40 by 130 feet, and contains an engine, boilers, Blake crusher, Ball pulverizer, vats, pans, etc.

GILPIN COUNTY.

The area of this county is 158 square miles. It is bounded north by Boulder county, south by the county of Clear Creek, east by Jefferson county, and west by the counties of Clear Creek and Grand. The population is 10,000, and the bullion product for 1878, $2,200,000. A description of its mining and milling interests will be found in the following pages.

Adeline. Owned by Henry M. Teller, of Central City; claim, 50 by 200 feet, patented; located on Gunnell hill, Nevada mining district, within the limits of Central City.

Aduddel. Owned by Robert G. Aduddel, M. D., and heirs of Joab Jones; office, Central City; claim, 150 by 3000 feet, patented; located 1868; situated at the head of Elkhorn gulch, Russell mining district, two miles from Central City; course of vein, northeast and southwest, width, 4 feet, pay vein, 3 to 8 inches, pitch 35° north, until at depth of 70 feet when the vein becomes vertical; nature of ore, iron pyrites and zinc-blende, average value, $100 per ton; main shaft, 120 feet deep; shaft house; 16 by 24 feet, containing a 15 horse power engine and hoisting apparatus.

Ætna. Horace M. Hale, proprietor; office, Central City; claim, 50 by 900 feet, patented; located 1866; situated on the eastern slope of Casto mountain, Gregory mining district, within the limits of Central City; course of vein, northeast and southwest, width, 4 feet, pay vein, 18 inches, pitch 23° south; nature of ore, galena, zinc-blende, iron and copper pyrites, average value, 3 ounces gold per cord; main shaft, 100 feet deep, one tunnel, 450 feet in length.

Ætna. Owned by the Ætna Gold Mining Co., George E. Randolph, agent; office, Central City; claim, 50 by 900 feet; discovered 1859; located on Quartz hill, Nevada mining district, one mile from Central City; course of vein, northeast and southwest, width, 3 feet; nature of ore, iron and copper pyrites, average value of mill ore, 4 ounces gold per cord, smelting ore, $30 to $120 per ton; main shaft, 500 feet deep, one level, 300 feet in length.

Alabama. Kelty & Tomlinson, proprietors; office, Black Hawk; claim, 150 by 1500 feet; located 1876; situated between Chase gulch and Clear creek, within the limits of Black Hawk; course of vein, northeast and southwest, width, 2 feet; nature of ore, galena, iron and copper pyrites, average value, 4 ounces gold per cord; one tunnel, 100 feet in length, four shafts, aggregate depth 100 feet.

Alaska. Owned by William H. Bush & Co.; located in Enterprise mining district, one mile from Central City; average value of ore, $40 per ton; main shaft, 150 feet deep.

Alger-Kansas. Owned by Jacob Tascher, of Central City; discovered 1859; located on Quartz hill, one mile from Central City; value of ore, 3 to 7 ounces gold per cord; will be intersected by the Central City tunnel at a depth of 75 feet.

Alps and Mackie. Owned by the Cleveland Gold Mining Co., George E. Hutchinson, of Central City, manager; claim comprises 750 linear feet on the Alps lode and 800 linear feet on the Mackie lode; located 1863; situated on Quartz hill, Nevada mining district, two miles from Central City; course of vein, northeast and southwest, width, 2 feet, pitch south; nature of ore, gray copper, iron and copper pyrites, average value of mill ore, 6 ounces gold per cord, smelting ore, $80 per ton; main shaft, 340 feet deep, aggregate length of levels, 1,850 feet; building, 25 by 100 feet, containing a 40 horse power engine and one steam pump.

Amazon. Owned by Updegraf, Kimber & Co.; office, Central City; claim, 50 by 500 feet; discovered 1865; situated on Gunnell hill, Eureka mining district, within the limits of Central City; course of vein, northeast and southwest, width, 5 feet, nature of ore, iron and copper pyrites, average value, 4 ounces gold per cord; main shaft, 125 feet deep, one level, 100 feet from surface and 50 feet in length.

American Flag. Owned by the American Flag Gold Mining Co.; John Van Nest, prest., A. J. Van Deventer, sec; Andrews N. Rogers, agent; office, Central City, Colorado, and New York city; claim, 50 by 550 feet; located 1860; situated on Quartz hill, Nevada mining district, one mile from Central City; course of vein, northeast and southwest, width, 5 feet; nature of ore, galena, iron, and copper pyrites, average value, 6 ounces gold per cord; main shaft, 440 feet deep, one level 300 feet in length; yield $250,000.

Americus. James Fraser, proprietor; office, Central City; claim, 150 by 1000 feet; located 1877; situated on Bobtail hill, Gregory mining district, within the limits of Black Hawk; course of vein, northeast and southwest, pitch, 10° north, width, 3 feet; nature of ore, iron and copper pyrites, average value, 3 ounces gold per cord; main shaft, 40 feet deep.

Arapahoe. Owned by the Belden & Tennal Mining Co.; office, Central City; claim, 150 by 1500 feet, patented; discovered 1877; situated on Casto mountain, within the limits of Central City; width of vein, 3 feet, pay streak 2 feet; average value of ore, 5 ounces gold per cord; reached by the Belden tunnel at a distance of 530 feet from the mouth, and intersected at a depth of 450 feet.

Arlington. Owned by Sidney

W. Tyler and George H. Gray; office, Central City; claim, 150 by 1100 feet; discovered 1875; situated on Eureka hill, Eureka mining district, within the limits of Central City; width of vein, 3 feet, pay streak, 18 inches, average value of ore, 5 ounces gold per cord; main shaft, 100 feet deep, one level 40 feet in length.

Ashtabula. Owned by the Lacrosse Gold Mining Co., New York; claim, 50 by 800 feet; located 1860; situated on Gunnell hill, Nevada mining district, two miles from Central City; vertical vein, running northeast and southwest, width, 4 feet, pay vein, one foot; nature of ore, iron and copper pyrites, average value, 6 ounces gold per cord; main shaft, 150 feet deep, and four other shafts, aggregating 200 feet in depth, aggregate length of levels, 200 feet; total yield, $20,000.

Aurum and Argentum Mining Co., incorporated April 1, 1878; capital stock, $100,000, in 10,000 shares, $10 each; offices, Central City, Colorado, St. Louis, Mo., and New York city; trustees, James T. Cooper, Hugh E. Bayle, William G. Miller, J. W. Holman and W. C. Bragg.

Baker, extension of Winnebago. A. H. Baker, proprietor; office, Central City; claim, 150 by 200 feet; located 1862; situated on Casto mountain, within the limits of Central City; course of vein, east and west, width, 5 feet, pitch, 5° north; nature of ore, iron and copper pyrites, average value, 6 ounces gold per cord; one shaft 50 feet deep.

Baker. Owned by Joseph Hafer and William Taylor; office, Central City; claim, 50 by 400 feet; located 1860; situated in Central City mining district; width of vein, 2 feet, average value of ore, 5 ounces gold per cord; two shafts, aggregate depth 250 feet, one tunnel, 150 feet in length, two levels, 175 feet in length each, being 100 and 200 feet from surface, respectively.

Bates. Owned by J. Baker; office, San Francisco, Cal.; claim, 50 by 360 feet; located 1859; situated on Bates hill, within the limits of Black Hawk; course of vein, northeast and southwest, width, 5 feet, pitch, 15° south; nature of ore, galena, iron and copper pyrites, average value of mill ore, 9 ounces gold per cord, smelting ore, $60 per ton; three shafts, aggregate depth 400 feet.

Bates, Nos. 1 and 2, west. Owned by the Union Gold Co.; located on Bates hill, within the limits of Black Hawk; main shaft, 410 feet deep; these claims produced in 16 months $205,000.

Bates-Hunter. William J. Barker, Frank A. Burnell and Jeremiah Borham, proprietors; office, Denver; claim, 50 by 300 feet, patented; discovered 1859; situated on Gregory hill, Gregory mining district, within the limits of Central City; course of vein, northeast and southwest, pitch, 20° south, width, 6 feet; nature of ore, iron and copper pyrites, average value, 8 ounces gold per cord, smelting ore, $75 per ton; main shaft, 400 feet and one other 280 feet in depth, four levels, aggregate length 700 feet; shaft and engine house, 40 by 60 feet, containing a 15-horse power engine and hoisting apparatus; yield to date, $200,000.

Bates and Baxter, Nos. 1, 2 and

3, east. Owned by the Bates and Baxter Co.; located on Bates hill, within the limits of Black Hawk; main shaft, 388 feet deep; 81 cords of ore from this property yielded 1,092 ounces of gold.

Bazee. Owned by Henry Chatillon, of Central City; claim, 150 by 1500 feet; located 1877; situated on Winnebago hill, near the limits of Central City; course of vein, northeast and southwest; width, 3 feet, pitch 25° south, pay vein, 8 inches; nature of ore, iron and copper pyrites, average value of mill ore, 4½ ounces gold per cord; main shaft 25 feet deep; total yield, $400.

Bedford County. Owned by James B. and Lemuel M. Bradley and Drury R. Moss; office, Black Hawk; claim, 50 by 1000 feet; located 1866; situated on Bobtail hill, Enterprise mining district, within the limits of Black Hawk; course of vein, northeast and southwest, width, 2 feet, pitch north; nature of ore, iron and copper pyrites, average value, 50 ounces gold per cord; 4 shafts, aggregate depth 250 feet, one level 50 feet from surface and 25 feet in length.

Belden Tunnel. Owned by the Belden and Tennal Mining Co., of Colorado, incorporated August 19, 1875; capital stock, $500,000, in 100,000 shares $5 each; offices, Central City and Denver, Colorado, David D. Belden, prest., Frederick Kruse, vice-prest., Alonzo Furnald, sec.; claim, 150 by 3000 feet, patented; situated in Chase gulch, at the foot of Casto mountain, half-mile from Central City and one mile above Black Hawk; length of tunnel 550 feet, course southeasterly, when completed, will be 3000 feet in length commencing in Chase gulch and terminating in Gregory gulch, completely undercutting Casto mountain.

Big Thunder. Willard Teller, proprietor; office, Denver; claim, 50 by 1600 feet, patented; situated on Quartz hill, Illinois mining district, half-mile from Central City; course of vein, northeast and southwest, width, 2½ feet; nature of ore, iron and copper pyrites; main shaft 50 feet deep, one drift 60 feet in length.

Billings. Owned by Elias Goldman and Jacob Mack, of Central City; claim, 50 by 600 feet, patented; located 1861; situated on Casey road, within the limits of Central City; course of vein, northeast and southwest, width, 4 feet, pitch 30° south, pay vein, 20 inches; nature of ore, iron and copper pyrites, average value, 4½ ounces gold per cord; main shaft 70 feet deep, one drift 25 feet in length.

Billings. Owned by Henry Sweeder; office, Central City; claim, 150 by 1500 feet, patented; located 1862; situated on Casto mountain, near Central City; course of vein, northeast and southwest, width, 4 feet, pay vein, 18 inches; nature of ore, galena, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $40 per ton; main shaft 115 feet deep.

Black Cloud. Owned by Robert B. Smock and John Chackfield; office, Central City; claim, 50 by 1500 feet; located 1876; situated in Gregory gulch, within the limits of Central City; course of vein northeast and southwest, pitch 10° south, width, 3½ feet;

nature of ore, iron and copper pyrites, average value of mill ore, 2¼ ounces gold per cord, smelting ore, $40 per ton; main shaft 50 feet deep.

Black Hawk Tunnel. Owned by the Black Hawk Tunnel and Mining Co., incorporated 1876; capital stock, $250,000, in 25,000 shares $10 each; office, Black Hawk; L. C. Snyder, prest., S. H. Bradley, vice-prest., T. D. Sears, sec.; claim, 50 by 3000 feet; located 1876; situated at the base of Casto mountain, in Chase gulch, within the limits of Black Hawk.

Black Quartz. Owned by the Belden and Tennal Mining Co., David D. Belden, prest. and supt.; office, Central City; claim, 150 by 1500 feet, patented; discovered 1877; situated on Casto mountain, Central City mining district; width of vein, 2½ feet, average value of ore, 5 ounces gold per cord; reached by the Belden Tunnel at a distance of 300 feet from the mouth, and intersected at a depth of 150 feet.

Bobtail. Owned by the Consolidated Bobtail Gold Mining Co., incorporated under the laws of the State of New York, November 19, 1869; capital stock $1,136-630, George A. Hoyt, prest., John Stanton, Jr., sec. and treas., Andrews N. Rogers, agent, Frank H. Messinger, asst. supt.; offices, Black Hawk, Colorado, and New York city; claim, 150 by 866⅔ feet, patented; discovered 1859; located on Bobtail hill, Gregory mining district, in town of Black Hawk; course of vein, northeast and southwest, width, 3 feet, pitch 10° north; reached by the Bobtail tunnel at a distance of 1,150 feet from the mouth, and intersected at a depth of 475 feet; nature of ore, iron and copper pyrites, average value of mill ore, 8 ounces gold per cord, smelting ore, $40 to $200 per ton; main shaft 800 feet deep, and 8 other shafts, aggregating 3,300 feet, four levels aggregating 3,467 feet in length; two double engines for hoisting ore 80-horse power each, one duplex engine, 40-horse power, and one engine for compressing air for drilling purposes.

Bobtail Tunnel. Owned by the Bobtail Tunnel Co., incorporated January, 1863; Andrews N. Rogers, prest., John Stanton, Jr., treas., Frank H. Messinger, sec.; offices, Black Hawk, Colorado, and 25 Nassau street, New York; claim, 1500 by 3000 feet; located 1863; situated at the base of Bobtail hill, Gregory mining district, in town of Black Hawk; length of tunnel, 2200 feet, intersects the Fiske lode at a distance of 550 feet and the Bobtail lode at a distance of 1150 feet from the mouth.

Bobtail, Nos. 3, and 4 west, and No. 5 east. Mrs. Francis Field, proprietor, Henry W. Lake, manager; office, Black Hawk; two patented claims, 50 by 260 and 50 by 33⅓ feet respectively; located 1859; situated on Bobtail hill, Gregory mining district, within the limits of Black Hawk; course of vein, northeast and southwest, width, 3 feet, pay vein, 15 inches; nature of ore, iron and copper pyrites, average value of mill ore, 4 ounces gold per cord, smelting ore, $50 per ton; claim No. 5 east, has a shaft 600 feet deep, and is reached by the Bobtail tunnel, at a distance of 50 feet from the mouth, and intersected at a depth of 450 feet; the shaft house is 24 by 36 feet, and the total yield of the mine $500,000; claims 3 and 4 west, have a shaft 500 feet deep, and a level, 150 feet in length; a shaft house, 34 by 36 feet, containing a 12 horse power engine, and hoisting apparatus; yield to date $12,000.

Bobtail, No. 6 west, Henry W. Lake, proprietor, office, Black Hawk; claim, 50 by 76 feet, patented; located 1859; situated on Bobtail hill, Gregory mining district, within the limits of Black Hawk; course of vein, northeast and southwest, pitch 5° north, width, 3½ feet, pay vein, 15 inches; nature of ore, iron and copper pyrites, average value of mill ore, 4 ounces gold per cord, smelting ore, $50 per ton; main shaft, 50 feet deep; total yield, $500.

Bobtail, No. 8 east. Owned by John H. Lafrenz, John Thaller and Joseph Meugg; office, Central City; claim, 150 by 110 feet, patented; located 1860; situated on Bobtail hill, Gregory mining district, within the limits of Black Hawk; course of vein, northeast and southwest, width, 4 feet, pay vein, 12 inches; nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $100 per ton; main shaft, 640 feet deep, two levels aggregating 160 feet in length; shaft house, 30 by 68 feet, containing a hoisting apparatus and a 50 horse power engine.

Bobtail, Nos. 9, 10, 11 and 12. D. Sullivan, proprietor; office, Central City; claim, 150 by 350 feet, patented; located 1859; situated on Bobtail hill, Gregory mining district, within the limits of Black Hawk; course of vein, northeast and southwest, pitch north, width, 5 feet, pay vein, 12 inches; nature of ore, iron and copper pyrites, average value of mill ore, 6 ounces gold per cord, smelting ore, $100 per ton; one level, 100 feet in length, and 600 feet from surface; operated through a tunnel from an adjoining claim.

Bobtail. Owned by the New York and Colorado Co., B. T. Wells, manager; offices, Black Hawk, Colorado; and 52 William street, New York; claim, 225 linear feet; situated in Gregory mining district, within the limits of Black Hawk; course of vein, northeast and southwest, width, 3 feet, pitch 10° north; nature of ore, iron and copper pyrites, average value of mill ore, 4 ounces gold per cord; main shaft, 100 feet deep.

Bobtail. Whipple Gold Mining Co., own 50 by 100 feet; located; 1862; situated on Gregory hill; main shaft, 130 feet deep; average value of ore, 4 ounces gold per cord.

Booth. Owned by Ed. B. Warner; office, Central City; claim, 150 by 1500 feet; discovered 1862; situated on Saratoga hill, Russell mining district, one mile from Central City; course of vein, northeast and southwest, width, 3 feet, pay vein, 18 inches; nature of ore, iron and copper pyrites, average value, 5 ounces gold per cord; shafts, aggregating 200 feet in depth.

Borton. Located on Quartz hill, Nevada mining district, one mile from Central City; Prof. N. P. Hill owns 500 feet on this vein and James Clark 400 feet; will be intersected by the Quartz Hill tunnel, at a depth of 550 feet.

Bowker. Owned by L. A. Johnson; situated in Nevada mining district; nature of ore, galena and copper pyrites, value, one ounce gold and 28 ounces silver per cord, and forty per cent. lead.

Briggs Property. Owned by J. Smith, Charles H. and George W. Briggs; office, Black Hawk; claims consist of 540 linear feet on the Briggs lode, and 540 linear feet on the Gregory lode all of which is patented; discovered 1859; situated on Colorado Central railroad, Main street, Black Hawk; course of veins, northeast and southwest, width, 8 to 12 feet, pitch, 7 to 100 feet south; nature of ore, iron and copper pyrites; main shaft, 915 feet, and a pump shaft 575 feet deep; over the mine is erected a 50 stamp mill with a capacity for treating 40 tons of ore daily; it contains a 100-horse power engine for hoisting and crushing ore, an 80-horse power pumping engine, with a 14 inch Cornish pump, and a reserve engine of 30-horse power.

Buell Property. Owned by Bela S. Buell, of Central City; claim, 50 by 1000 feet, patented; located 1862; situated in Gregory gulch, in town of Central City; course of vein, northeast and southwest, width, 8 feet, pitch, 5° south, pay vein, 6 inches to 8 feet; nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $100 per ton; main shaft, 600 feet deep, aggregate depth of five other shafts, 1100 feet, seven levels, 25, 90, 180, 250, 300, 400 and 500 feet from surface, respectively, aggregating 5000 feet in length; mill site, comprising 67,500 square feet of ground, on which is erected a fire proof, stone building, 50 by 135 feet, containing 60 stamps, one engine, 100-horse power, double upright hoisting engine 75-horse power, two steam pumps, hoisting apparatus, and six Freiberg pans; total yield, $1,000,000.

Bugher. Owned by Joseph B. Hafer and William Taylor, of Central City; claim, 50 by 75 feet; located 1875; situated within the limits of Central City; course of vein, northeast and southwest, width, 4 feet, pitch, 10° south, pay vein, 2 feet; nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord; main shaft, 140 feet deep, one tunnel, 140 feet in length; total yield, $8,000.

Bugle Tunnel. Owned by Bela S. Buell; located on Gregory street, Central City; course, south; will intersect twenty-seven lodes at various depths.

Bull of the Woods. Owned by David Evans and Joseph B. Hafer, of Central City; claim, 50 by 585 feet; located 1867; situated within the limits of Central City; course of vein, northeast and southwest, width, 3 feet, pitch, 25° north, pay vein, 2 feet; nature of ore, iron and copper pyrites, average value of mill ore, 6 ounces gold per cord, smelting ore, $80 per ton; main shaft, 200 feet deep, three levels, aggregating 200 feet in length; shaft house, 25 by 50 feet; total yield, $15,000.

Burroughs. Owned by the Lacrosse Gold Mining Co.; incorporated 1864; capital stock, $2,000,000, in 200,000 shares, $10 each; offices, Central City, Colorado, and New York city; John

Van Nest, prest., Henry Smith, sec., Andrews N. Rogers, supt.; claim, 50 by 305 feet, patented; situated on Quartz hill, Nevada mining district, two miles from Central City; course of vein, northeast and southwest, width, 3 feet, pay vein, 18 inches, pitch, 30° south; nature of ore, iron and copper pyrites, average value of mill ore, 6 ounces gold per cord, smelting ore, $80 per ton; main shaft, 400 feet deep, aggregate length of levels, 300 feet; shaft house, 40 by 80 feet, 20-horse power engine and a hoisting apparatus; yield to date, $60,000.

Burroughs, extension. Owned by Richard Mackey; office, Bald Mountain; claim, 50 by 400 feet, patented; located 1864; situated on Quartz hill, Nevada mining district, two miles from Central City; course of vein, nearly east and west, width, 3 feet, pitch, north; nature of ore, iron and copper pyrites, average value, 5 ounces gold per cord; three shafts, aggregating 690 feet, and four levels, aggregating 425 feet in length, shaft house, engine and hoisting works.

Burroughs, 50 by 1002 feet. Owned by the First National Gold Mining Co., of Boston, Mass.; operated by the Monmouth Consolidated Gold Mining Co., S. Sullivan, supt., this property is patented, is well developed, and has paid largely.

Burroughs, 50 by 22 feet. Owned by Henry M. and Willard Teller, of Central City; located on Quartz hill, one mile from Central City.

Butler. Owned by Hon. Jerome B. Chaffee and James D. Wood; office, Central City; claim, 150 by 1500 feet; located 1859; situated on Gunnell hill, within the limits of Central City; course of vein, northeast and southwest, width, 4 feet, pitch, 20° south, pay vein, 20 inches; nature of ore, iron and copper pyrites, average value of mill ore, 4½ ounces gold per cord, smelting ore, $85 per ton; main shaft, 185 feet deep, aggregate length of levels, 125 feet; shaft house, 16 by 20 feet.

Caledonia. Owned by Samuel Cushman, of Deadwood, Wyo.; claim, 150 by 1500 feet; located 1860; situated in Hawkeye mining district, near Wide Awake, six miles from Central City; course of vein, northeast and southwest; nature of ore, iron pyrites, average value, 10 ounces gold per cord; main shaft, 267 feet, five other shafts 40 to 140 feet deep.

Calhoun. Owned by Horatio E. and Morris Hazard; office, Central City; claim, 150 by 1500 feet; located 1877; situated on Alps hill, Russell mining district, one mile from Central City; width of vein, 2 feet; average value of mill ore, 6 ounces gold per cord, smelting ore, $62 per ton; main shaft, 175 feet deep, one level 75 feet from surface and 77 feet in length.

Calhoun. Owned by the Rockdale Gold Mining Co., New York; Edward W. Henderson, agent, office, Central City; claim, 50 by 650 feet, patented; situated in Leavenworth gulch, Russell mining district, two miles from Central City; vertical vein, running northeast and southwest, width 4 feet; nature of ore, iron and copper pyrites; main shaft, 125 feet deep.

California. Joseph Standley, proprietor; office, Bald mountain; claim, 50 by 650 feet, patented; located 1859; situated on Quartz hill, Nevada mining district, two miles from Central City; course of vein, nearly east and west, width, 3 feet, pitch south; nature of ore, iron and copper pyrites, average value of mill ore, 7 ounces gold per cord, smelting ore, $70 per ton; main shaft, 728 feet deep, aggregate depth of other shafting, 1800 feet, three levels, aggregating 1000 feet in length; stone building with iron roof, 34 by 64, with a wing 18 by 28 feet, containing a 50 horse power engine, hoisting apparatus, etc.; total yield, $500,000.

California, No. 4 east. Wm. M. Roworth, proprietor; office, Central City; claim, 50 by 100 feet, patented; located 1860; situated on Quartz hill, Nevada mining district, two miles from Central City; course of vein, nearly east and west, width, 3 feet; nature of ore, iron and copper pyrites, average value of mill ore, 6 ounces gold per cord, smelting ore, $100 per ton; main shaft, 375 feet deep; shaft house and machinery; yield $80,000.

Camp Grove. Owned by the Monmouth Consolidated Gold Mining Co., D. Sullivan, supt.; claim, 100 by 340 feet, located on Quartz hill, Nevada mining district. two miles from Central City.

Canandaigua. Owned by Jason E. Scobey; office, Black Hawk; claim, 50 by 357 feet, patented; located 1860; situated in Spring gulch, within the limits of Central City; course of vein, northeast and southwest, width, 3 feet, pitch south, nature of ore, galena, iron and copper pyrites, average value of mill ore, 7 ounces gold per cord, smelting ore, $125 per ton; main shaft, 100 feet deep, one level, 95 feet from surface and 70 feet in length.

Carr. Owned by L. C. Snyder, H. H. Atkins and B. O. Russell; office, Black Hawk; claim, 150 by 1300 feet, patented; located 1860; situated on Bobtail hill, Gregory mining district, within the limits of Black Hawk; course of vein, east and west, width, 6 feet; nature of ore, copper pyrites, average value of mill ore, 12 ounces gold per cord, smelting ore, $140 per ton; main shaft, 225 feet deep.

Cashier. Owned by the Cashier Mining Co., of New York, incorporated 1878; capital stock, $500,000, in 250,000, shares, $2 each; office, Central City, Colorado, and 29 Broad street, New York, Stephen B. French, prest., John Sherry, sec. and treas., Joseph W. Holman, genl. supt. and agent; claim, 150 by 1500 feet, patented; located 1874; situated on Mammoth hill, Gregory mining district, 400 feet from limits of Central City; course of vein, northeast and southwest, pitch 5° south, width, 4 feet, pay vein, 18 inches; nature of ore, iron and copper pyrites, average value of mill ore, 3½ ounces gold per cord, smelting ore, $100 per ton; main shaft, 200 feet deep, and 14 other shafts aggregating 280 feet, one level, 60 feet in length, and 30 feet from surface; yield to date, $12,000.

Cashier, North. Owned by the Cashier Mining Co., of New York, Joseph W. Holman, genl. supt. and agent; offices, Central City, Colorado, and 29 Broad street, New York; claim, 150 by 1500 feet; located 1875; situated on Mammoth hill, Gregory mining district, 400 feet from limits of Central City; course of vein, northeast and southwest, pitch 5° north, width, 3 feet, pay vein, 14 inches; nature of ore, iron and copper pyrites, average value, 3 ounces gold per cord; one shaft, 40 feet deep.

Cashier, South. Owned by the Cashier Mining Co., of New York; Joseph W. Holman, genl. supt. and agent; offices, Central City, Colorado, and 29 Broad street, New York; claim, 150 by 1500 feet; located 1875; situated on Mammoth hill, Gregory mining district, 400 feet from the limits of Central City; course of vein, northeast and southwest, pitch 5° north, width, 4 feet, pay vein, 12 inches; nature of ore, iron and copper pyrites, average value, 3½ ounces gold per cord; one shaft, 110 feet deep; yield to date, $2,000.

Casto. Located on Casto mountain, Central City mining district, near town of Central City.

Centennial Tunnel Mining Co., incorporated October 23, 1876; capital stock, $500,000, in 500,000 shares, $1 each; office, Central City; organized by John Tierney, William Burke, Charles Peterson and Theodore H. Becker.

Central City. Owned by Azor A. Smith and others, of Black Hawk; claim, 50 by 600 feet; located 1860; situated at the junction of Spring and Gregory streets, Central City; vertical vein, trending northeast and southwest, width, 7 feet, nature of ore, iron and copper pyrites, value, 20 ounces gold per cord, main shaft, 140 feet deep, one level, 60 feet in length; yield to date, $4,000.

Central City Tunnel. Owned by the Central City Tunnel Co.; organized under the laws of the state of New York in the year 1876; capital stock, $1,200,000, in 12,000 shares, $100 each; offices, Central City, Colorado, and 161 Broadway, New York, J. W. Alder, prest., J. C. Cockey, sec., David G. Wilson, supt.; claim, 1500 by 3000 feet, situated at the base of the eastern slope of Quartz hill, within the limits of Central City; length of tunnel, 450 feet, course southwest, has reached three lodes, lode No. 1 at a distance of 100 feet, No. 2, at a distance of 180 feet, and No. 3 at a distance of 200 feet from the mouth; will intersect 30 lodes or mineral veins, among which are the Rice, Josephine, Lewis, Fortune, Fourth of July, Burroughs, Columbia, Gardner, Illinois, Sap and Register; shaft house, 25 by 50 feet, constructed of stone, with iron roof, containing a drilling machine and apparatus, two engines, 10 and 25-horse power, respectively; the tunnel is five and a half feet wide by six high, is well timbered and supplied with iron track and cars.

Champion. Owned by Joseph Standley; office, Bald Mountain; claim, 50 by 1000 feet, patented; discovered 1865; situated on Nevada flats, Eureka mining district, one mile from Central City; width of vein, 2½ feet; one shaft 130 feet deep.

Champion Mining and Reducing Co., incorporated October 9, 1878; capital stock, $300,000, in 3000 shares, $100 each; office, Central

City; trustees, Alfred Cowles, Charles T. Tugo, Charles A. Mair, Frank E. Morse, Edson Keith, Thomas I. Richman and Francis G. Saltonstall.

Chihuahua. Owned by William H. Bush & Co.; located in Wide Awake mining district; width of vein, 20 feet, value of ore, $50 per ton; developed by a tunnel 300 feet in length.

Clark Gardner. Owned by the Clark Gardner Mining Co., organized under the laws of the state of New York, September 4, 1865; capital stock, $300,000, in 3000 shares, $100 each; offices, Central City, Colorado, Rome and New York, in the state of New York, John Striker, prest., Thomas Striker, vice prest., Samuel Wardwell, sec., A. B. Clark, supt.; claim, 200 by 300 feet, patented; situated on Quartz hill, Nevada mining district, one mile from Central City; course of vein, east and west, width 10 feet, pitch south; nature of ore, sulphurets of copper and iron, average value of mill ore, 6 ounces gold per cord, smelting ore, $100 per ton; two shafts, aggregating 400 feet in depth, two levels, 200 and 300 feet from surface, respectively, aggregating 500 feet in length; shaft and engine house, 40 by 80 feet, constructed of stone, containing a hoisting apparatus and a 30-horse power engine.

Clay County. Hon. Jerome B. Chaffee, proprietor; office, Denver; claim, 50 by 1500 feet, patented; located in 1859; situated in Lake gulch, Lake mining district, one mile from Central City; course of vein, northeast and southwest, width, 3 feet, pitch, 10° north; nature of ore, iron and copper pyrites, average value, 12 ounces gold per cord; main shaft 250 feet deep, and two other shafts, aggregating 600 feet, two levels, 120 and 225 feet from surface, respectively, aggregating 500 feet in length; shaft house, 20 by 40 feet, blacksmith shop, 16 by 20 feet, mill building, 60 by 60 feet, two dwelling houses, 20 by 60 and 35 by 40 feet, respectively, twelve acres of ground and a barn; yield to date, $400,000.

Cleveland Gold Mining Co., organized under the laws of the State of New York; capital stock, $250,000, in $25,000 shares, $10 each; offices, Central City, Colorado and 54 William street, New York; H. A. Johnson, prest., R. A. Johnson, sec.

Clifton. Owned by the Clifton Mining Co., London, England; claim, 150 by 1400 feet; located on Virginia hill, three miles from Central City.

Clipper. Owned by Ezra D. Frits, Joseph A. Thatcher, and others; claim, 150 by 1500 feet; located 1876; situated on Casto mountain, within the limits of Central City; course of vein, east and west, width, 4 feet, pay vein, 12 inches, pitch south; nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord; two shafts, aggregate depth 135 feet.

Coaley. Owned by the Coaley and Gilpin Mining Co., of Black Hawk; claim, 50 by 3000 feet, patented; located 1867; situated in Silver gulch, Enterprise mining district, near the limits of Black Hawk; course of vein, northeast and southwest, width, 3½ feet, pitch, 20° north, pay vein, one to two feet; nature of ore, sulphurets of silver and lead, average value, 500 ounces silver per cord; main shaft, 200 feet deep, one tunnel 140 feet, and three levels, aggregating 300 feet in length; shaft house, 30 by 40 feet, hoisting apparatus and a 16-horse power engine; total yield, $65,000.

Coleman Gold Mining Co., New York; capital stock $1,000,000, in 100,000 shares $10 each; office, 80 Wall street, New York; Thomas I. Minford, prest., Henry W. Lake, manager.

Colorado. Owned by Thomas Seary and Sylvester Nichols; office, Central City; claim, 150 by 1500 feet; located 1864; situated on Quartz hill, Nevada mining district, within the limits of Central City; course of vein, nearly east and west, pitch south, width, 3½ feet; nature of ore, iron and copper pyrites; average value of mill ore, 4 ounces gold per cord; main shaft, 100 feet deep, one tunnel 225 feet in length; yield to date, $5,000.

Columbia. Thomas Seary, proprietor; office, Central City; claim, 50 by 100 feet; located 1862; situated on Quartz hill, Nevada mining district, within the limits of Central City; course of vein, nearly east and west, pitch south, width, 4 feet; nature of ore, iron and copper pyrites, average value, 6 ounces gold per cord; main shaft 75 feet deep, one drift 75 feet in length.

Columbia. Owned by Hon. Henry M. Teller of Central City; claim, 50 by 1000 feet, patented; located on Quartz hill, within the limits of Central City; course of vein, northeast and southwest; 2 shafts, 60 and 100 feet, respectively.

Columbus. William J. Barker, proprietor; office, Denver; claim, 150 by 1000 feet, patented; discovered 1859; situated in Saw-pit gulch, Russell mining district, one mile from Central City; vertical vein, running northeast and southwest, width, 5 feet, pay vein, 3½ feet; nature of ore, iron and copper pyrites, average value, $45 per ton; main shaft 110 feet deep, one level 80 feet in length.

Columbus. James Frazer and Mary Hepburn, proprietors; office, Central City; claim, 50 by 300 feet; located 1862; situated on Bobtail hill, Gregory mining district, within the limits of Black Hawk; course of vein, northeast and southwest, pitch 15° north, width, 4 feet, pay vein, 15 inches; nature of ore, iron and copper pyrites, average value of mill ore, 3 ounces gold per cord, smelting ore, $50 per ton; main shaft 270 feet deep, aggregate length of levels, 250 feet.

Comet. James H. Reed, proprietor; office, Black Hawk; claim, 50 by 800 feet; located 1865; situated in Illinois gulch, half-mile from Central City; course of vein, northeast and southwest, pitch 10° north, width, 3½ feet; nature of ore, sulphurets of iron and copper, average value, 3 ounces gold per cord; main shaft 40 feet deep; yield to date, $500.

Comstock. Owned by Ezra D. Frits, Joseph A. Thatcher and others, of Central City; claim, 150 by 1500 feet; located 1876; situated on Casto mountain, within the limits of Central City; course of vein, northeast and southwest, width, 5 feet, pitch 25° south; nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $100 per ton; main shaft 450 feet deep, three levels, 130, 170 and 360 feet from surface, respectively, aggregating 400 feet in length; good shaft house, and a 10-horse power engine; yield to date, $50,000.

Confidence. Owned by Thomas H. Potter, of Central City; claim, 50 by 1400 feet, patented; located on Quartz hill, Nevada mining district, near limits of Central City.

Consolidated Bobtail Gold Mining Co., incorporated under the laws of the State of New York, November 19, 1869; capital stock $1,053,300, in 210,660 shares $5 each; offices, Black Hawk, Colorado, and New York city; George A. Hoyt, prest., John Stanton, Jr. sec. and treas., Andrews N. Rogers, agent, Frank H. Messinger, asst. supt.

Continental Mill and Mining Co.'s property; situated in Quartz valley, one mile from Central City; claim, 150 by 2000 feet; main shaft 120 feet deep.

Cork. Owned by Hon. Henry M. Teller, of Central City; claim, 50 by 600 feet, patented; located on Gunnell hill, Nevada mining district, within the limits of Central City.

Corydon. Owned by Hon. Henry M. Teller; office, Central City; claim, 50 by 900 feet, patented; situated on Gunnell hill, Nevada mining district, within limits of Central City; vertical vein, running northeast and southwest, width, 3 feet; nature of ore, iron and copper pyrites, average value 4 ounces gold per ton; main shaft 270 feet deep, aggregate length of levels, 450 feet, one tunnel 170 feet in length; total yield, $30,000.

Cotton, east half of Nos. 1, 2 and 3. Mrs. Francis Field, proprietor, Henry W. Lake, manager; office, Black Hawk; claim, 50 by 350 feet; located 1859; situated on Bobtail hill, Gregory mining district, within the limits of Black Hawk; vertical vein, trending northeast and southwest, width, 3 feet, pay vein, 12 inches; nature of ore, iron and copper pyrites, average value, $200 per cord; main shaft, 130 feet deep, and three other shafts aggregating 140 feet, one level 100 feet in length; yield to date, $10,000.

Cotton, 50 feet west of discovery. Henry W. Lake, proprietor; office, Black Hawk; claim, 50 by 50 feet; located 1859; situated on Bobtail hill, Gregory mining district, within the limits of Black Hawk; vertical vein, trending northeast and southwest, width, 3 feet, pay vein, 20 inches; nature of ore, iron and copper pyrites, average value of mill ore, $75 per cord, smelting ore, $40 per ton; main shaft, 70 feet deep; yield to date, $3,000.

Crispin. E. K. Baxter, proprietor, office, Central City; claim, 50 by 1600 feet, patented; located 1870; situated on Quartz hill, Nevada mining district, within the limits of Central City; course of vein, northeast and southwest, width, 3 feet, pay vein, 18 inches, pitch, 15° north; nature of ore, sulphurets of copper and iron, average value, 5 ounces gold per cord; main shaft, 170 feet deep.

Crown Point and Virginius. Job V. Kimber & Co., proprietors; office, Central City; claim, 150 by 1500 feet, patented; located 1859; situated at the head of Virginia cañon, Russell mining district, two miles from Central City; course of vein, northeast and southwest, width, 3 feet, pay vein, one foot, pitch 20° north; nature of ore, copper pyrites, average value of mill ore, 14 ounces

Curlew. Kelty & Tomlinson, proprietors; office, Black Hawk; claim, 150 by 1500 feet; situated between Chase gulch and Clear creek, within the limits of Black Hawk; width of vein, one foot, nature of ore, galena, iron and copper pyrites; one shaft, 25 feet deep,one tunnel 125 feet in length. gold per cord, smelting ore, $80 per ton; main shaft, 125 feet deep, aggregate length of levels 300 feet; shaft house, 10 by 20 feet; yield to date, $60,000.

Dallas. Owned by the Dallas Gold and Silver Mining Co., incorporated June 8, 1878; capital stock, $1,000,000, in 100,000 shares, $10 each; offices, Black Hawk, Colorado, and Chicago, Illinois; organized by Samuel Mishler, William Germain, Mark F. Bebee and James B. Norton; claim, 150 by 2642 feet, patented; located 1860; situated on Dallas hill, Enterprise mining district, within the limits of Black Hawk; vertical vein, trending northeast and southwest, width, 5 feet; nature of ore, galena, iron and copper pyrites, average value of mill ore, 7 ounces gold per cord, smelting ore, $80 per ton; six shafts, aggregating 300 feet in depth, three levels, 60, 40 and 100 feet from surface respectively, aggregating 500 feet in length; this property has paid in full the expense of development, and has on hand a surplus working capital.

Dallas, extension. Owned by the Dallas Gold and Silver Mining Co.; office, Black Hawk; claim, 150 by 1300 feet, patented; located 1860; situated on North Clear creek, within the limits of Black Hawk; course of vein, nearly east and west, width, 4 feet, pitch south; nature of ore, galena, iron and copper pyrites, average value, 4 ounces gold per cord; one shaft 25 feet deep, one tunnel, 165 feet in length.

Delaware. Owned by the Delaware Mining Association, of Boston; claim, 150 by 500 feet; situated in Russell gulch, Russell mining district, two miles from Central City; course of vein, northeast and southwest, width, 4 feet, pitch 10° north, pay vein, 18 inches; nature of ore, iron pyrites, average value, 5 ounces gold per cord; main shaft, 375 feet, and one other shaft, 150 feet deep, one drift, 150 feet in length and 150 feet from surface; shaft house and mill building, 40 by 60 feet each.

Delaware, Nos. 5 and 6 east. Elias Goldman and Jacob Mack, proprietors; office, Central City; claim, 50 by 200 feet; situated on Alps hill, Russell mining district, two miles from Central City; course of vein, northeast and southwest, width, 4 feet, pay vein, 18 inches, pitch, 10° north; nature of ore, galena, iron and copper pyrites, average value, $40 per ton.

Del Norte. Andrew M. Emery, proprietor; office, Central City; claim, 50 by 1500 feet; located 1877; situated within the limits of Black Hawk; course of vein, northeast and southwest, pitch 30° west, width, 4 feet, pay vein, 2 feet; nature of ore, sulphurets of iron and copper, average value, $50 per ton; main shaft, 80 feet deep.

Denmark. Owned by Joseph W. Holman; office, Central City; claim; 150 by 1425 feet, patented; situated on the Bobtail lode, Gregory mining district, within the limits of Black Hawk; course of vein, northeast and southwest, pitch 10° south, width, 5 feet, pay vein, 18 inches; nature of ore, iron and copper pyrites, average value of mill ore, 12 ounces gold per cord, smelting ore, $150 per ton; main shaft, 134 feet, and one other shaft, 30 feet in depth; one level, 40 feet in length, and 50 feet from surface; yield to date, $5,000.

Dillon. Owned by William Dillon, of Central City; claim, 150 by 1500 feet; situated on Casto mountain, within the limits of Central City; course of vein, northeast and southwest, pitch, south, width 3 feet, pay vein, 2 feet; nature of ore, sulphurets of copper and iron, average value, 4 ounces gold per cord; two shafts, aggregate depth 105 feet, one tunnel, 14 feet in length.

Dorchester. William J. Barker, proprietor; office, Denver; claim, 50 by 300 feet; located 1859; situated on Nottaway hill, Russell mining district, one mile from Central City; course of vein, northeast and southwest, width, 2 feet, pitch, 3° west; nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $85 per ton; main shaft, 110 feet deep, two levels, 75 and 100 feet in length, respectively.

East Leavenworth. John F. Cheatley, George and R. H. Martin, proprietors; office, Central City; claim, 50 by 1200 feet; located 1876; situated on Leavenworth hill, Russell mining district, two miles from Central City; width of vein, 3 feet, pitch, north; nature of ore, iron and copper pyrites, average value, 6 ounces gold per cord; aggregate depth of shafting, 600 feet.

Ellery. Owned by the Belden & Tennal Mining Co., David D. Belden, supt.; office, Central City; claim, 150 by 2000 feet, patented; discovered 1875; located on Casto mountain, within the limits of Central City; width of vein, 3 feet, average value of ore, 6 ounces gold per cord; reached by the Belden tunnel at a distance of 100 feet from the mouth, and intersected at a depth of 300 feet.

Elvaretta. Thomas Davidson & Co., proprietors; office, Bald mountain; claim, 100 by 1500 feet; located 1860; situated on Quartz hill, Nevada mining district, two miles from Central City; width of vein, 18 inches; nature of ore, galena, average value, 5 ounces gold per cord; three shafts, aggregating 280 feet in depth.

Emerson, John L. Owned by John L. and Charles H. Emerson and Wilbur W. Flagg; office, Central City; claim, 150 by 4500 feet; located 1867; situated on Bellevue mountain, Virginia mining district, three miles from Central City; course of vein, northeast and southwest, pitch, 5° north, width, 5 feet; nature of ore, galena, iron and copper pyrites; main shaft, 187 feet deep, three drifts, aggregating 185 feet in length.

English-Kansas. James C. Fagan, proprietor; offices, Central City, Colorado, and New York city; claim, 50 by 700 feet, patented; situated on Quartz hill, Nevada mining district, near limits of Central City; course of vein, northeast and southwest, width, 4 feet, pitch, 15° south; nature of ore, iron and copper pyrites, average value, 8 ounces gold per cord; main shaft, 450 feet deep; good shaft house, and machinery.

Enterprise. Owned by J. A. Perley, Kelly & Co., of Black Hawk; claim, 50 by 200 feet; located 1867; situated in Silver gulch, Enterprise mining district, within the limits of Black Hawk; vertical vein, running northeast and southwest, width 4½ feet; nature of ore, sulphurets of silver, average value, 150 ounces silver per cord; main shaft, 120 feet deep, one level, 75 feet in length; shaft house, 25 by 30 feet.

Essex. Owned by Jason E. Scobey and J. Bohram; office, Central City; claim, 50 by 1400 feet, patented; located 1862; situated in Prosser gulch, Central City mining district; course of vein, northeast and southwest, width, 6 feet, pitch, north; nature of ore, decomposed quartz, average value, 4 ounces gold per cord; two shafts, aggregating 75 feet in depth.

Essex Tunnel. Owned by the Essex Gold and Silver Mining and Tunneling Co., of Newark, New Jersey; capital stock, $500,000; claim, 1500 by 2000 feet; situated on Pewabic mountain, Russell mining district, fifty miles from Denver; length of tunnel, 875 feet.

Eureka. Alexander Taylor, proprietor; office, Black Hawk; claim, 50 by 1700 feet; located 1864; situated on Eureka hill, Eureka mining district, near limits of Central City; course of vein, northeast and southwest, width, 6 feet, pitch 35° north; nature of ore, sulphurets of copper and iron, average value, 9 ounces gold per cord; ten shafts, aggregating 1000 feet, and four levels, aggregating 500 feet in length; yield to date, $60,000

Express. Owned by Harley B. Morse, of Central City; claim, 150 by 1500 feet, patented; situated on Quartz hill, Nevada mining district, two miles from Central City; course of vein, northeast and southwest, pitch north, width, 5 feet, pay vein, 3 feet, nature of ore, galena and iron pyrites; main shaft, 30 feet deep.

Extension. Owned by Hon. Henry M. Teller, of Central City, claim, 50 by 1700 feet, patented; located 1865; situated on Quartz hill, Illinois Central mining district, near limits of Central City.

Fagan-Gunnell. Operated by the Monmouth Consolidated Gold Mining Co., of New York, D. Sullivan, supt., claim, 100 by 800 feet, patented; located on Gunnell hill, near Central City; main shaft, 500 feet deep.

Fairfield. Owned by the Hill Gold Mining Co., of Providence, R. I., Prof. N. P. Hill, manager; office, Denver; claim, 50 by 600 feet; located 1861; situated at head of Russell gulch, two miles from Central City; course of vein, north and south, width, 3 feet, pitch west, pay vein, 18 inches; nature of ore, iron and copper pyrites, average value of mill ore, 16 ounces gold per cord, smelting ore, $100 per ton; main shaft, 150 feet deep, one level, 120 feet in length and 60 feet from surface.

Fennelly. Owned by Thomas H. Potter, Sylvester Nichols, William Fennelly and Robert Kerwan; office, Central City; claim, 150 by 1500 feet, patented; located 1863; situated on Caledonia hill, Hawkeye mining district, three miles from Central City; course of vein, nearly east and west, pitch north, width, 4½ feet; nature of ore, iron and copper pyrites, average value of mill ore, 3½ ounces gold per cord; main shaft, 125 feet deep and six other shafts aggregating 125 feet in depth, one tunnel, 100 feet and one level, 60 feet in length; shaft house, whim and hoisting apparatus; total yield, $10,000.

First Centennial. Owned by L. C. Snyder and R. S. Haight; office, Central City; claim, 150 by 1500 feet, patented; located 1875; situated on Casto mountain, within the limits of Central City; course of vein, northeast and southwest, width, 5 feet, pay vein; 3 feet, pitch 27° south; nature of ore, galena, iron and copper pyrites, average value of mill ore, 10 ounces gold per cord, smelting ore, $125 per ton; main shaft, 140 feet, one tunnel 200 feet in length and 60 feet from surface, one level 260 feet in length.

First National. Owned by the First National Mining Co., incorporated October 4, 1871; capital stock, $1,000,000, in 50,000 shares, $20 each; offices, Nevada, Colorado, and Boston, Mass.; organized by Benjamin S. and William J. Rotch, Samuel H. Gookin, Thomas J. and W. Tracy Custis; patented claim; situated on Quartz hill, Nevada mining district, one mile from Central City; course of vein, east and west, width, 3 feet, pitch, south; nature of ore, iron and copper pyrites, average value of mill ore, 7 ounces gold per cord, smelting ore, $75 per ton; main shaft, 650 feet and one other 300 feet deep, aggregate length of levels 1800 feet; shaft house and machinery.

Fisk. Operated by George W. Mabee, of Central City; claim, 50 by 190 feet; located 1860; situated on Bobtail hill, Gregory mining district, within the limits of Black Hawk; course of vein, nearly east and west, width, 4 feet, pay vein, 3 feet, pitch north and south; nature of ore, iron and copper pyrites, average value, 6 ounces gold and 24 ounces silver per cord; main shaft, 615 feet deep, seven levels, aggregating 2500 feet in length; reached by the Bobtail tunnel at a distance of 700 feet from the mouth and intersected at a depth of 280 feet; on the surface is a shaft house, 16 by 20, an engine house, 30 by 40, sorting room, 20 by 25, and a cobbing house, 10 by 20 feet, a 30 horse power engine and hoisting apparatus; the yield of this mine for the six years previous to 1876 was $300,000.

Fisk. New York and Colorado Co., B. T. Wells, manager; own 250 linear feet on this lode, which is situated in Gregory mining district, in town of Black Hawk; course of vein, northeast and southwest, width, 4 feet, pitch 10° south; nature of ore, iron and copper pyrites, average value of mill ore, 2½ ounces gold per cord, smelting ore, $100 per ton; main shaft, 420 feet deep, one tunnel 150 feet in length, connected with the Bobtail tunnel.

Fisk. Whipple Gold Mining

Co., own 50 by 200 feet; situated in Gregory mining district, within the limits of Black Hawk; course of vein, northeast and southwest, width, 4 feet, pitch 10° south; nature of ore, iron and copper pyrites, average value, 5 ounces gold per cord; main shaft, 190 feet deep.

Fisk, 50 by 200 feet. Owned by the Fisk Gold Mining Co., of New York; patented claim, located on Bobtail hill, Gregory mining district, within the limits of Black Hawk.

Flack. Located on the northwestern slope of Quartz hill, Nevada mining district, two miles from Central City; total yield $500,000.

Foot and Simmons. Located on the northeastern slope of Gregory hill, in the town of Black Hawk.

Forks. Located on the west end of Quartz hill, Nevada mining district, two miles from Central City; course of vein, northeast and southwest, average width, 8 feet; nature of ore, galena, iron and copper pyrites; yield $500,000.

Forrester. Owned by Nicholas C. Forrester and Elijah C. Sherman; office, Denver; claim, 150 by 1500 feet; located; 1876; situated in Silver Lake mining district, five miles from Central City; course of vein, northeast and southwest, width, 2½ feet, pitch 5° west, pay vein, 4 to 12 inches; nature of ore, gray copper and galena, average value, 200 ounces silver per ton, one tunnel 150 feet in length; aggregate length of levels, 175 feet; total yield, $8,000.

Fortune. Owned by the Central City Tunnel Co., David G. Wilson, supt.; offices, Central City, Colorado, and 161 Broadway, New York; claim, 150 by 1500 feet; located 1860; situated on Quartz hill, within the limits of Central City; course of vein, northeast and southwest, pitch 5° south, width, 4 feet; nature of ore, sulphurets of copper and iron, average value, 6 ounces gold per cord; main shaft 130 feet deep; operated through the Central City tunnel; yield to date, $2,000.

Fourth of July. William H. Doe, Jr. and Herbert Waterman, proprietors; office, Bald Mountain; claim, 150 by 1500 feet; located 1862; situated on Quartz hill, Nevada mining district, one mile from Central City; course of vein, east and west, width, 3 feet, pay vein, 18 inches, pitch 3° south; nature of ore, galena, iron and copper pyrites, average value, 10 ounces gold per cord; six shafts aggregating 200 feet in depth, and 3 levels, 80, 90 and 120 feet from surface, respectively, aggregating 180 feet in length.

France, Matt. Willard and Henry M. Teller and Matt. France, proprietors; office, Central City; claim, 50 by 1600 feet, patented; situated on Quartz hill, Nevada mining district, half-mile from Central City; course of vein, northeast and southwest, width, 2½ feet; nature of ore, iron and copper pyrites, average value, $60 per ton; main shaft 100 feet, and one other shaft 75 feet deep, aggregate length of levels 100 feet.

Freeman. Owned by Thomas Seary, of Central City; claim, 150 by 1500 feet; discovered 1865; situated on Quartz hill, Nevada mining district, within the limits of Central City; width of vein, 4 feet, average value of ore, 6½ ounces gold per cord; two shafts aggregating 200 feet in depth, and three drifts aggregating 200 feet in length.

Fremont. Owned by Harry A. La Paugh, of Denver; claim, 150 by 1500 feet; located 1876; situated in Silver Lake mining district, five miles from Central City; course of vein, east and west, width, 15 feet, pitch 10° north, pay vein, 2 to 15 feet; nature of ore, iron and copper pyrites and bismuth, average value of mill ore, 6 ounces gold per cord, smelting ore, $250 per ton; main shaft 150 feet deep, one tunnel 250 feet, and three levels aggregating 400 feet in length; shaft house and two dwelling houses.

Furnald. Owned by the Belden & Tennal Mining Co., David D. Belden, supt.; office, Central City; claim, 150 by 2000 feet, patented; discovered 1877; situated on Casto mountain, Central City mining district; width of vein, 2 feet; average value of ore, 5 ounces gold per cord; reached by the Belden Tunnel at a distance of 200 feet from the mouth, and intersected at a depth of 300 feet.

Gardner. Located on the northeastern slope of Quartz hill, between the Roderick Dhu and California lodes; Nevada mining district, one mile from Central City; has produced over $500,000.

Garrison. Located on the Kansas lode on Quartz hill, Nevada mining district, two miles from Central City.

Gaston. Located on Bates hill, Gregory mining district, within the limits of Black Hawk.

Gauntlet. J. C. Franks, proprietor; office, Central City; claim, 50 by 750 feet; located 1873; situated on Quartz hill, Illinois Central mining district, within the limits of Central City; course of vein, northeast and southwest, with, 3 feet, pay vein, one foot, pitch 5° north; nature of ore, galena and iron pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $75 per ton; three shafts, aggregating 200 feet in depth, one level 75 feet in length and 90 feet from surface.

German. Owned by J. F. and George J. Kline; office, Central City; claim, 50 by 1850 feet, patented; located 1859; situated on German hill, Mountain City mining district, within the limits of Central City; course of vein, east and west, width, 4 feet, pitch north; nature of ore, iron and copper pyrites, average value of smelting ore, $50 per ton; 2 shafts aggregating 490 feet in depth, one level 350 feet in length and 200 feet from surface.

German. Owned by the Susquehanna Gold Mining Co., Frank H. Messinger, agent; offices, Black Hawk, Colorado, and 33 North Water street, Philadelphia, A. G. Buzby, prest., Samuel Broadbent, treas; claim, 50 by 815 feet, patented; located 1860; situated on Mammoth hill, Gregory mining district, within the limits of Central City; course of vein, northeast and southwest, width, 3 feet, pitch north; nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $40 per ton; 2 shafts aggregating 400 feet in depth.

German Branch. J. F. and George J. Kline, proprietors; office, Central City; claim, 50 by

2000 feet; located 1868; situated on German hill, Mountain City mining district, within the limits of Central City; course of vein, east and west, width, 3 feet, pitch 45° north; nature of ore, iron and copper pyrites, average value of mill ore, 10 ounces gold per cord, smelting ore, $100 per ton; two shafts, aggregating 380 feet in depth, one level 80 feet in length and 175 feet from surface.

German Tunnel. Owned by German Tunnel Co., incorporated January, 1875; capital stock, $15,000, in 30 shares, $500 each; office, Central City; organized by Alexander Carstens, Gustave Kruse, Charles Bamberry, Deitmar Schneider, Gotfried Krug, Henry Becker, Joseph Kramer, John Kruse, Jacob Pressler, Philip Pressler, Fidel Pflum, Michael Thies and Jacob Trosser; the tunnel is located on Gregory street, Central City, is 500 feet in length, and has cut five lodes.

Gerrione. Owned by Robert G. Aduddel, M. D., of Central City; claim, 50 by 750 feet; located 1868; situated on Quartz hill, Nevada mining district, two miles from Central City; vertical vein, running northeast and southwest, width, 4 feet; nature of ore, iron pyrites, average value of mill ore, 3½ ounces gold per cord, smelting ore, $60 per ton; main shaft, 125 feet deep; shaft house, 15 by 18 feet.

Gettysburg. Owned by Joseph B. Hafer, of Central City; claim, 50 by 725 feet; situated on Bates hill, within the limits of Central City, vertical vein, running northeast and southwest, width, 3 feet, pay vein, 18 inches; nature of ore, iron and copper pyrites, average value of mill ore, 8 ounces gold per cord, smelting ore, $40 per ton; main shaft, 120 feet deep, one tunnel 80 feet in length; total yield, $6,000.

Gibson. Owned by Henry M. Teller and Alva Mansur; office, Central City; claim, 50 by 300 feet, patented; located on Quartz hill, Illinois Central mining district, near the limits of Central City.

Gilpin. Owned by the Gilpin Gold Mining Co., John G. Tappan, prest.; office, Boston, Mass.; claim, 50 by 262 feet, patented; located 1859; situated on Quartz hill, Nevada mining district, one mile from Central City; course of vein, northeast and southwest, width, 3 feet, pitch south; nature of ore, iron and copper pyrites, average value of mill ore, 6 ounces gold per cord, smelting ore, $100 per ton; main shaft, 600 feet and one other 150 feet deep.

Gilpin. Owned by the Coaley and Gilpin Mining Co., of Black Hawk; claim, 50 by 2000 feet, patented, located 1867; situated on Silver gulch, Enterprise mining district, within the limits of Black Hawk; course of vein, northeast and southwest, width, 4½ feet, pitch 5° north; nature of ore, sulphurets of silver and lead, average value, 150 ounces silver per cord; shaft, 200 feet deep, one tunnel 550 feet and three levels aggregating 125 feet in length; total yield, $65,000.

Glennan, 1 to 5 west. James H. Ried, proprietor; office, Black Hawk, claim, 50 by 400 feet; located 1865; situated on Bullion mountain, Enterprise mining district, within the limits of Black Hawk; course of vein, northeast and southwest, pitch 5° north, width, 3 feet, pay vein, 2 feet; nature of ore, galena, iron and copper pyrites; average value, 5½ ounces gold per cord and 20 ounces silver per ton; main shaft, 70 feet deep, one level 20 feet in length.

Glennan, from 1 to 9 east. James Kelly, proprietor; office, Black Hawk; claim, 50 by 872 feet, patented; located 1865; situated on Bullion mountain, Enterprise mining district, within the limits of Black Hawk; course of vein, northeast and southwest, pitch 5° north, width, 3 feet, pay vein, 2 feet; nature of ore, iron and copper pyrites, galena and zinc-blende, average value, 5½ ounces gold per cord and 20 ounces silver per ton; main shaft, 70 feet and one other shaft 65 feet deep, one tunnel, 100 feet in length.

Gold-Dirt. Owned by John Q. A. Rollins, of Rollinsville; located on Gold-Dirt hill, eight miles from Central City; main shaft 500 feet deep; yield $400,000.

Gold Ring. Owned by Horatio E. and Morris Hazard, office, Central City; claim, 50 by 1500 feet; located 1873; situated on Leavenworth hill, Russell mining district, one mile from Central City; course of vein, northeast and southwest, width, 2 feet, pitch north; nature of ore, iron and copper pyrites, average value, 9 ounces gold per cord; main shaft, 100 feet deep.

Gold Rock Mining Co., New York, Edmund Driggs, prest.; capital stock, $500,000, in 50 shares of $100 each.

Golden Anchor. Owned by William Nicholson and O. M. Williams; office, Central City; claim, 150 by 1500 feet; located 1872; situated on Wide-awake hill, Hawkeye mining district, 6 miles from Central City; course of vein, nearly east and west, pitch 35° south, width, 3½ feet, pay vein, 2 feet; nature of ore, iron pyrites, average value, 5 ounces gold per cord; main shaft, 45 feet deep, two tunnels on vein 175 feet apart 30 and 100 feet in length respectively; total yield, $5,000.

Golden Eagle, Nos. 3, 4, 5 and 6, east. Owned by James H. Ried; office, Black Hawk; claim, 50 by 400 feet; located 1863; situated on Bobtail hill, half mile from Central City; course of vein, northeast and southwest, pitch, 10° north, width, 3 feet, pay vein, one to two feet; nature of ore, iron and copper pyrites, average value, 7½ ounces gold per cord; main shaft, 100 feet deep; yield to date, $5,000.

Golden Eagle. Owned by A. C. Johnson, of Black Hawk; claim, 50 by 600 feet; located 1863; situated on Bobtail hill, Gregory mining district, near limits of Central City; course of vein, northeast and southwest, width, 4 feet, pitch, 3° south; nature of ore, iron pyrites, average value of mill ore, 10 ounces gold per cord, smelting ore, $100 per ton; three shafts, aggregating 250 feet in depth, one level, 30 feet in length and 110 feet from surface.

Gomer. Owned by Edward W. Williams, William and Edward Jones and Owen Hughes; office, Central City; claim, 150 by 1500 feet; located January, 1878; situated in Russell gulch, Russell mining district, three miles from Central City; course of vein, northeast and southwest, pitch, 5° north, width, 3 feet, pay vein, 18 inches; nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord; main shaft, 100 feet deep, one drift 300 feet in length.

Granby Gold and Silver Mining Co., of Colorado, incorporated June 25, 1875; capital stock, $50,000, in 5000 shares, $10 each; office, Denver; organized by J. H. Jones, A. J. Williams, E. Winslow Cobb, J. George Hoffer and Charles F. Leimer.

Grand Army-Gunnell. Job V. Kimber & Co., proprietors; office, Black Hawk; claim, 50 by 1600 feet, patented; located 1871; situated on the Gunnell lode, within the limits of Central City; course of vein, east and west, width 4 feet, pitch, 15° south; nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $50 per ton; main shaft, 600 feet, and one other 95 feet deep, four levels, 200, 357, 300 and 450 feet from surface, respectively, aggregating 500 feet in length.

Granite. Owned by Hon. Henry M. Teller, of Central City; claim, 50 by 700 feet, patented; located in Gregory mining district, near Black Hawk.

Grant County. Owned by William M. Rule of Central City; claim, 100 by 1600 feet, located in Chase gulch, near Black Hawk.

Gregory. Located in Gregory mining district, in town of Black Hawk; discovered 1859; yield to date, $9,000,000; the Briggs Bros. own 540 linear feet on this lode, and the New York and Colorado Co., 800 feet.

Gregory-Second. Located on Bates hill, Enterprise mining district, near Black Hawk, runs parallel to the Gregory, and has a shaft 400 feet deep.

Grizzly. Owned by Charles McKee, of Central City; claim, 50 by 1400 feet, patented; discovered 1876; located in Davenport gulch, Russell mining district, two miles from Central City; width of vein, 15 inches; average value of ore, 8 ounces gold per cord; main shaft, 150 feet deep, one level 60 feet in length and 40 feet from surface.

Gunnell. Owned by William Fullerton, Job V. Kimber, Richard Mackey, Mosley & Ballard and Edward F. Clinton; office, Central City; claim, 50 by 454 feet, patented; discovered 1859; situated on Gunnell hill, Eureka mining district, within the limits of Central City; course of vein, east and west, width, 3 feet, pitch, south; nature of ore, iron pyrites; main shaft, 700 feet deep; on the surface is a large shaft house, constructed of stone, containing engines and machinery for hoisting and handling ore; the yield of this mine for one year, under the present management was $300,000.

Gunnell, 50 by 98 feet. Owned by the University Gold Mining Co., Central City, Henry W. Lake, manager; situated on Gunnell hill, within the limits of Central City; course of vein, east and west, average width, 3 feet, pitch, 40° south, pay vein, one foot; nature of ore, copper pyrites, average value of mill ore, 8 ounces gold per cord, smelting ore, $80 per ton; main shaft, 550 feet deep, aggregate length of levels, 500 feet; shaft house, 40 by 60 feet, hoisting apparatus and a 20 horse power engine; total yield, $120,000.

Gunnell, 100 by 600 feet. Owned by Miss Mary T. Scudder; John Scudder manager; office, Central City, situated on Gunnell hill, within the limits of Central City, course of vein nearly east and west, average width, 3 feet, pitch 40° south, pay vein, one foot; nature of ore, copper pyrites, average value of mill ore, 9 ounces gold per cord, smelting ore, $70 per ton; main shaft 350 feet, and three other shafts, aggregating 100 feet in depth; aggregate length of levels 600 feet; total yield $230,000.

Gunnell, 50 by 155 feet. Owned by by the Coleman Gold Mining Co., of New York, situated on Gunnell hill, within the limits of Central City; course of vein, east and west, average width 3 feet; pitch 40° south, pay vein, one foot; nature of ore, copper pyrites, average value of mill ore, 7 ounces gold per cord, smelting ore, $80 per ton; main shaft 450 feet deep; aggregate length of levels, 600 feet; shaft house 30 by 40 feet, hoisting apparatus and a 20-horse power engine; total yield $200,000.

Gunnell, 50 by 449 feet. Owned by Hal. Sayer and Horace Atkins, of Central City; situated on Gunnell hill, within the limits of Central City; course of vein, northeast and southwest, width, 3 feet, pitch 30° south, pay vein, 2 feet; nature of ore, copper pyrites, average value of mill ore, 4 ounces gold per cord, smelting ore, $60 per ton; main shaft, 230 feet deep; shaft house, 20 by 40 feet; total yield, $4,000.

Harper-California. Owned by William M. Roworth; offices, Central City and Denver, Colorado; claim, 50 by 100 feet, patented; located 1860; situated on Quartz hill, two miles from Central City; course of vein, east and west, width, 3 feet; nature of ore, iron and copper pyrites, average value of mill ore, 6 ounces gold per cord, smelting ore, $100 per ton; main shaft, 375 feet deep; shaft house and hoisting apparatus; yield $80,000.

Harry. Owned by Henry Chatillon, of Central City; claim, 150 by 1500 feet; located 1877; situated on Winnebago hill, Quartz Valley mining district, near limits of Central City; vertical vein, running northeast and southwest, width, 3½ feet, pay vein, 6 inches; nature of ore, galena, iron and copper pyrites, average value of mill ore, 6 ounces gold per cord, smelting ore, $40 per ton; main shaft, 40 feet deep.

Harsh. Owned by the Rockdale Gold Mining Co., New York, Edward W. Henderson of Central City, agent; claim, 50 by 800 feet, patented; located 1861; situated in Leavenworth gulch, Russell mining district, two miles from Central City; course of vein, northeast and southwest, width, 4 feet; nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord; main shaft, 180 feet deep; mill building, 50 by 100 feet.

Hawley-Gardner. Orrin Thurber, proprietor, Sidney B. Hawley, manager; office, Bald mountain; claim, 50 by 354½ feet, patented; located 1860; situated on Quartz hill, one mile from Central City; course of vein, east and west, width, 4 feet, pitch south; nature of ore, iron and copper pyrites; main shaft, 600 feet deep, four levels aggregating 600 feet in length.

Henry, James. Henry Bolthoff, Sidney W. Tyler and Jacob Pressler, proprietors; office, Central City; claim, 150 by 1400 feet; located 1875; situated on Gunnell hill, Eureka mining district, within the limits of Central City; course of vein, northeast and southwest, width, 4 feet, pay vein, 18 inches; nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $40 per ton; main shaft, 150 feet and one other 45 feet deep, four levels, aggregating 160 feet in length.

Hercules. Henry J. Hawley and Barney Cochrane, proprietors; office, Central City; claim, 150 by 1500 feet; located 1877; situated near the limits of Central City; course of vein, northeast and southwest, width, 5 feet, pay vein, 10 inches, pitch 45° south; nature of ore, iron and copper pyrites, average value, 3 ounces gold per cord; main shaft, 65 feet deep.

Hidden Treasure - California. Owned by Aaron M. Jones, John Johnson and Samuel V. Newell; offices, Bald mountain, and Denver, Colorado; claim, 50 by 400 feet, patented; located 1859; situated on Quartz hill, in town of Nevadaville, two miles from Central City; course of vein, nearly east and west, width, 4 feet, pay vein, 2 feet, pitch 4° south; nature of ore, iron and copper pyrites, average value of mill ore, 8 ounces gold per cord, smelting ore, $90 per ton; main shaft, 620 feet deep and two other shafts 200 feet each, two levels 500 and 550 feet from surface respectively, aggregating 800 feet in length; on the surface is a shaft house, 15 by 16 feet, and an ore house 20 by 60 feet, hoisting apparatus and a 40 horse power engine; the average monthly yield of this mine for the last five months has been $15,000, making a total to date of $75,000.

Hill House. Owned by Robert G. Aduddel, M. D., and David Barnes, of Central City; claim, 150 by 1033 feet; situated on the southern slope of Quartz hill, Illinois mining district, one mile from Central City; vertical vein, running northeast and southwest, width, 3 feet, nature of ore, iron pyrites, average value of mill ore, 6 ounces gold per cord, smelting ore, $80 per ton; main shaft, 100 feet deep.

Holman. Owned by William H. Bush; office, Central City; claim, 150 by 1000 feet, patented; situated on Quartz hill, Nevada mining district, within the limits of Central City.

Home Prospecting Association, incorporated July 28, 1875; capital stock, $1,000 in 1000 shares, $1 each; office, Central City; organized by Frank C. Young, George E. Randolph, Joseph H. Bostwick, Dennis Sullivan, W. Edmundson, George W. Mabee, Sylvester Nichols, Robert A. Campbell and Foster Nichols.

Howe. James McNasser, proprietor; office, Denver; claim, 150 by 1500 feet; located 1863; situated on Quartz hill, Nevada mining district, one mile from Central City; course of vein, northeast and southwest, width, 2 feet, pitch north; nature of ore, iron and copper pyrites, average value, 6 ounces gold per cord; three shafts aggregating 100 feet in depth.

Hubert. Owned by the Hense Estate, Barney Koch, administrator; office, Central City; claim, 50 by 1500; located 1862; situated on Prize hill, Nevada mining district, two miles from Central City; course of vein, east and west, width, 3 feet, pay vein, 18 inches, pitch 20° south; nature of ore, iron and copper pyrites, average value of mill ore, 6 ounces gold per cord, smelting ore, $75 per ton; two shafts aggregating 150 feet in depth, two levels, 75 and 100 feet from surface, respectively, aggregating 100 feet in length.

Hunter. Owned by the Susquehanna Gold Mining Co., Frank H. Messinger, agent; offices, Black Hawk, Colorado, and 33 North Water street, Philadelphia, Pa.; claim, 50 by 200 feet; discovered 1860; situated on Mammoth hill, Gregory mining district, within the limits of Central City; vertical vein, trending northeast and southwest, width, 2 feet; nature of ore, iron and copper pyrites; three shafts, aggregating 300 feet in depth.

Illinois. Owned by Thomas H. Potter and George W. Jacobs; office, Central City; claim, 50 by 1000 feet, patented; located 1859; situated on the eastern slope of Quartz hill, Nevada mining district, half-mile from Central City; course of vein, northeast and southwest, width, 4 feet, pitch 5° south; nature of ore, iron and copper pyrites, average value, $40 per ton; main shaft 230 feet, and one other shaft 187 feet deep, two levels 555 and 350 feet in length, respectively; over the mine is a large and well constructed building containing a 22-stamp mill, an engine, tubular boiler, hoisting apparatus, &c.; yield, $350,000.

Indiana. Owned by Harley B. Morse, of Central City; claim, 100 by 1300 feet; located 1859; situated on the west end of Quartz hill, two miles from Central City; course of vein, east and west, pitch 20° south, width, 4 feet, pay vein, 2 feet; nature of ore, galena, iron and copper pyrites, average value of mill ore, 4 ounces gold per cord, smelting ore, $50 per ton; main shaft 260 feet deep.

Irish Flag. Owned by James C. Fagan; located on the northwest slope of Quartz hill, two miles from Central City; course of vein, east and west.

Irene. Owned by Henry Chatillon, of Central City; claim, 150 by 1500 feet; located 1877; situated on Winnebago hill, near the limits of Central City; vertical vein, running northeast and southwest, width, 3 feet, pay vein, 14 inches; nature of ore, iron and copper pyrites, average value of mill ore, 7 ounces gold per cord, smelting ore, $80 per ton; main shaft 125 feet deep; total yield, $3,000.

Irving. Owned by Harley B. Morse, of Central City; claim, 50 by 400 feet, patented; situated on Nevada flats, two miles from Central City; course of vein, northeast and southwest, pitch north, width, 5 feet, pay vein, 3 feet; nature of ore, iron pyrites and galena, average value, $30 per ton; main shaft 40 feet deep.

Jackson. Located on the north slope of Gunnell hill, one mile from Central City.

Jessie. Owned by the Victory Mining Co., of Wisconsin, O. G. Raynor, superintendent; offices, Central City, Colorado, and Fon du Lac, Wis.; claim, 150 by 750 feet, patented; discovered 1874; situated on Quartz hill, Illinois Central mining district, within the limits of Central; course of vein, southwest and northeast, width, 4 feet, pitch south; nature of ore, iron and copper pyrites, average value of mill ore, 6 ounces gold per cord, smelting ore, $100 per ton; one shaft 50 feet deep, one level 25 feet in length.

Jessie, westerly half. Owned by L. E. Hoskins, of Oshkosh, Wisconsin; claim, 150 by 750 feet; situated on Quartz hill, Illinois Central mining district, within the limits of Central City; one shaft 70 feet deep, one level 30 feet in length.

Jones. Owned by Daniel McGonigal, of Bald Mountain; claim, 50 by 200 feet; located 1862; situated on Prize hill, Nevada mining district, two miles from Central City; course of vein, east and west, width, 2 feet, pitch, 5° south, pay vein, 18 inches; nature of ore, iron and copper pyrites, average value of mill ore, 8½ ounces gold per cord, smelting ore, $110 per ton; main shaft 300 feet deep, three levels 230, 240 and 300 feet from surface, respectively, aggregating 450 feet in length; good shaft house, and machinery.

Justice, owned by William M. Roworth, M. H. Root, Hiram Hill and others, office, Central City, claim, 150 by 1600 feet, patented; located 1860; situated in Lake gulch near the limits of Black Hawk; vertical vein, trending northeast and southwest, width, 4 feet; nature of ore, iron and copper pyrites, average value of mill ore, 15 ounces gold per cord; main shaft 280 feet deep; yield to date, $50,000.

Justice. William M. Roworth, proprietor; office, Central City; claim, 50 by 1100 feet, located 1860; situated near Lake gulch, Lake mining district, one mile from Central City; vertical vein, trending northeast and southwest, width 3 feet; nature of ore, iron and copper pyrites, average value, 6 ounces gold per cord; one shaft, 125 feet deep.

Kansas. Owned by the La Crosse Gold Mining Co., New York, Andrews N. Rogers, supt., offices, Central City, Colorado, and 59 William street, New York; claim, 50 by 120 feet, patented; located 1859; situated on Quartz hill, Nevada mining district, two miles from Central City; course of vein, northeast and southwest; width, 3 feet, pitch 30° south, pay vein, one foot; nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $100 per ton; main shaft, 60 feet deep; reached by the La Crosse tunnel at a distance of 150 feet from the mouth and intersected at a depth of 60 feet.

Kansas, 50 by 190 feet. Owned by the Boston and Colorado Gold Mining Co., of Boston, Mass., H. S. Chase, prest; located on Quartz hill, two miles from Central City.

Kansas, 50 by 200 feet. Owned by the University Gold Mining Co., located on Quartz hill, two miles from Central City; main shaft, 600 feet deep; yield for eighteen months, $120,000.

Kent County. Richard Mackey, proprietor; office, Bald mountain, claim, 50 by 3256 feet; patented; located 1860; situated on the northwestern slope of Quartz hill, Nevada mining district, two miles from Central City; course of vein, east and west, width, 3½ feet, pay vein, 2 feet; pitch 15° south; nature of ore, sulphurets of copper and iron, average value of mill ore, 4½ ounces gold per cord; three shafts aggregating 600 feet in depth, five levels 250, 300, 400, 475 and 550 feet from surface respectively, aggregating 1100 feet in length, good shaft house, containing a 60-horse power engine, for hoisting and pumping.

Keystone, and extension. James McNasser, proprietor; office, Denver; claim, 150 by 2200 feet, patented; located 1861, situated on Quartz hill, Nevada mining district, one mile from Central City; course of vein, northeast and southwest, width, 2 feet, pitch 25° north; nature of ore, galena, iron and copper pyrites; three shafts, aggregating 230 feet in depth.

Kilbourn Mining Co., incorporated October 4, 1873; capital stock, $50,000, in shares of $100; office, Central City; organized by F. Kilbourn, H. C. Lett, H. M. Atkinson and A. Kilbourn.

King. Owned by John M. Ross, Alexander McLeod, John B. and Daniel J. McKay; office, Central City; claim, 150 by 1500 feet; discovered 1860; located on Nevada flats, Nevada mining district, one mile from Central City; width of vein, 4 feet; average value of ore, 6 ounces gold per cord; two shafts, aggregate depths 240 feet, two levels aggregating 500 feet in length.

Kinney-Gardner. Owned by D. Sullivan & Co., of Central City; claim, 100 by 650 feet, patented; located 1862; situated on Quartz hill, Nevada mining district, two miles from Central City; course of vein, nearly east and west, width, three feet, pitch 10° south, pay vein, 2 feet; nature of ore, copper pyrites, average value of mill ore, 9 ounces gold per cord; smelting ore, $125 per ton; main shaft, 300 feet deep; shaft house 15 by 15 feet, with hoisting apparatus; total yield, $30,000.

Kip. Owned by Bela S. Buell, of Central City; claim, 50 by 1200 feet, patented; situated on Mammoth hill, Gregory mining district, within the limits of Central City; course of vein, northeast and southwest, width, 6 feet, pitch 5° north, nature of ore, iron and copper pyrites, average value of mill ore, 3 ounces gold per cord, smelting ore, $100 per ton; main shaft, 300 feet, and one other, 260 feet deep, aggregate length of levels 1200 feet.

Kirk. Located in the Illinois Central mining district, one mile from Central City; claim, 100 by 1500 feet, patented.

Lacrelus. William H. Doe, Sr., proprietor; office, Central City; claim, 150 by 1500 feet; located 1878, situated on Eureka hill, Eureka mining district, near the limits of Central City; course of vein, east and west, width 3 feet, pay vein 2 feet, pitch 5° north; nature of ore, iron and copper pyrites, average value of mill ore, 4 ounces gold per cord, smelting ore, $50 per ton; main shaft, 25 feet deep.

La Crosse Tunnel. Owned by the La Crosse Gold Mining Co., organized under the laws of the

State of New York in the year 1864; capital stock, $2,000,000 in 200,000 shares, $10 each, John Van Nest, prest., Henry Smith, sec., Andrews N. Rogers, supt.; offices, Central City, Colorado, and 59 William street, New York; length of tunnel, 956 feet; situated in Nevada gulch at the base of Quartz hill, one mile from Central City.

Lake View. Owned by Michael and Patrick Flynn, Thomas Kennedy, Alfred McGruder and Patrick Maher; office, Central City; claim, 150 by 3000 feet; discovered 1860; situated on Mammoth hill, Nevada mining district, one mile from Central City; width of vein, 2½ feet; average value of ore, 5 ounces gold per cord; two shafts, aggregating 125 feet in depth.

Lamberson & Warren. Owned by Harley B. Morse, of Central City; claim, 50 by 1600 feet, patented; located 1867; situated on Nevada flats, Nevada mining district, two miles from Central City; course of vein, east and west, pitch 20° north, width, 4 feet, pay vein, 2 feet; nature of ore, pyrites of iron, galena and zincblende, average value, $50 per ton; main shaft, 50 feet deep.

Leavenworth. Horatio E. and Morris Hazard, proprietors; office, Central City; claim, 50 by 442 feet; located 1878; situated on Leavenworth hill, Russell mining district, one mile from Central City; course of vein, northeast and southwest, width, 2 feet, pitch south; nature of ore, iron and copper pyrites, average value of mill ore, 7 ounces gold per cord; main shaft, 80 feet deep.

Leavenworth. Alexander Taylor, proprietor; office, Black Hawk; claim, 50 by 1250 feet; discovered 1859; situated on Leavenworth hill, Russell mining district, two miles from Central City; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 3 feet; nature of ore, sulphurets of iron and copper, average value, 6 ounces gold per cord; two shafts aggregating 300 feet in depth, two levels, aggregate length 250 feet.

Leavitt. Bela S. Buell, proprietor; office, Central City; claim, 50 by 1000 feet; located 1862; situated in Gregory gulch, within the limits of Central City; course of vein, northeast and southwest, width, 8 feet, pay vein, 6 inches to 8 feet, pitch 5° south; nature of ore, iron and copper pyrites, average value of mill ore, 4 ounces gold per cord, smelting ore, $100 per ton; main shaft, 550 feet deep and five other shafts aggregating 1100 feet, seven levels, 25, 90, 180, 250, 300, 400 and 500 feet from surface respectively, aggregating 5000 feet in length; has produced largely.

Legal Tender Mining Co., incorporated under the laws of the State of Iowa July, 1878; capital stock, $60,000, in 6,000 shares, $10 each; offices, Central City, Colorado, and Marshaltown, Iowa, John Turner, prest., Frank L. Downend, agent; the property of this company comprises the Taylor tunnel in Clear Creek county and the Clay county lode in Gilpin county.

Lewis. William H. Bush, proprietor; office, Central City; claim 150 by 1300 feet, patented; situated on Quartz hill, Nevada mining district, within the limits of Central City; course of vein, northeast and southwest, width, 3½ feet, pitch south; nature of ore, iron and copper pyrites, average value of mill ore, 9 ounces gold per cord, smelting ore, $150 per ton; two shafts aggregating 200 feet in depth, two levels aggregating 130 feet in length.

Linden Castle. Owned by James H. Ried, Thomas Clery and Thomas Skelley; office, Black Hawk; claim, 50 by 3000 feet; located 1866; situated in Slaughter House gulch, half mile from Black Hawk; course of vein, northeast and southwest, pitch 12° north, width, 3 feet, pay vein, one to 10 inches; nature of ore, sulphurets of iron and copper, average value, $100 per ton; main shaft, 100 feet deep, one drift 20 feet in length; yield to date, $1,200.

Little Bessie. Owned by John Palmer and William McBreen; office, Bald mountain; claim, 100 by 1500 feet; discovered 1860; located on Quartz hill, Nevada mining district, two miles from Central City; width of vein, one foot; nature of ore, galena and iron pyrites, average value, 5 ounces gold per cord; main shaft, 100 feet deep.

Little Comstock. Taylor & Chackfield, proprietors; office, Black Hawk; claim, 50 by 1000 feet; located 1874; situated on U. P. R. hill, within the limits of Central City; vertical vein, trending northeast and southwest, width 3 feet, pay vein, 2 feet; nature of ore, sulphurets of iron and copper, average value, 8 ounces gold per cord; one shaft, 60 feet deep, one level 70 feet in length.

Little Gunnell Gold Mining Co., organized under the laws of the State of New York; offices, Central City, Colorado, and New York City, Lewis C. Rockwell, agent.

Los Angelos. George Estabrook, proprietor; office, Bald mountain; claim, 150 by 800 feet, located 1865; situated on Russell hill, Russell mining district, two miles from Central City; vertical vein, trending east and west, width, 2 feet; nature of ore, iron and copper pyrites, average value of mill ore, 6 ounces gold per cord; three shafts, aggregating 100 feet in depth, one level 350 feet in lengtn.

Louisiana. Owned by Jacob Mack, of Denver; claim, 50 by 1200 feet, located 1861; situated in Russell gulch, Russell mining district, one mile from Central City; course of vein, northeast and southwest, width, 4 feet, pitch, 10° south, pay vein, 6 inches; nature of ore, iron and copper pyrites, average value, $40 per ton; main shaft, 70 feet deep, one drift 25 feet in length.

Lyman. Owned by Hon. H. M. Teller, of Central City, claim, 50 by 500 feet, patented; located on the southern slope of Gunnell hill, Nevada mining district, within the limits of Central City.

Mammoth, 50 by 232 feet, patented. Owned by the Gold Rock Mining Co., New York, situated on Mammoth hill, Gregory mining district, within the limits of Central City; vertical vein running east and west, width, 6 feet; nature of ore, pyrites of iron, average value of mill ore, 5 ounces gold per cord, smelting ore, $25 per ton; main shaft, 400 feet deep, one drift, 100 feet in length; shaft house 40 by 60 feet.

Mammoth, 50 by 1582 feet, patented. Owned by Mrs. Louisa A. Willard, located 1859; situated on Mammoth hill, Gregory mining district, within the limits of Central City; vertical vein, running east and west, width, 7 feet, pay vein, 5 feet; nature of ore, pyrites of iron, average value of mill ore, 3 ounces gold per cord, smelting ore, $22 per ton, main shaft, 140 feet deep, one level, 150 feet in length; yield for the last two years, from surface ore, $10,000.

Mammoth Side. Owned by Harley B. Morse, of Central City; claim, 150 by 1300 feet, located 1876; situated on Mammoth hill, within the limits of Central City; course of vein, northeast and southwest, pitch, 5° south, width, 6 feet; nature of ore, pyrites of iron, average value of mill ore, 2½ ounces gold per cord, smelting ore, $25 per ton; main shaft, 100 feet deep.

Mammoth, 6, 7 and 8, west. Owned by Edward L. Salisbury, of Central City; claim, 150 by 300 feet, located 1859; situated on Gregory hill, Gregory mining district, within the limits of Central City; course of vein; nearly east and west, pitch, 5° north, width, 20 feet; nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $12 per ton; main shaft, 280 feet deep; total yield, $10,000; the Bobtail tunnel is now within 150 feet of this property.

Mammoth Gulch Placer Mining Co., incorporated July 1, 1878, capital paid up, stock, $500,000 in 50,000 shares, $10 each; offices, Georgetown, Colorado, and New York city; trustees, Timothy G. Negus, Charles A. Martine, Frank M. Taylor, Elisha S. Weaver and Jacob H. Abeel.

Manhattan, on Fisk lode. Owned by the Manhattan Gold Mining Co., George E. Randolph, agent; office, Central City; claim, 50 by 190 feet, patented; located 1859; situated on Bobtail hill, Gregory mining district, within the limits of Black Hawk; width of vein, 3 feet, nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $50 per ton; one shaft, 600 feet deep; intersected by the Bobtail tunnel.

Marine. Taylor Lindsley, proprietor; office, Central City; claim, 150 by 900 feet, patented, located 1860; situated on Gunnell hill, Eureka mining district, within the limits of Central City; course of vein, east and west, width, 4 feet, pitch, south; nature of ore, galena and sulphurets of iron, average value of mill ore, 4½ ounces gold per cord, smelting ore, $75 per ton; two shafts aggregating 140 feet in depth, one tunnel 200 feet in length; yield to date, $4000.

Maryland. Theodore H. Becker, proprietor; office, Central City; claim, 50 by 1500 feet, located 1859; situated in Chase gulch, within the limits of Central City; course of vein, northeast and southwest, width, 2 feet; pitch, 15° south; nature of ore, galena, zincblende and sulphurets, average value of mill ore, 7 ounces gold per cord, smelting ore, $75 per ton; main shaft, 125 feet deep, two levels, 75 and 100 feet from surface respectively, aggregating 225 feet in length.

Maurer. Located on Gold Dirt hill, Independent mining district, eight miles from Central City.

Mazeppa. Located in Russell mining district, three miles from Central City; one shaft 125 feet deep; yield, $6,000.

M. B. H. Owned by M. B. Hyndman and Abel Knight; office, Central City, claim, 150 by 1500 feet, patented; situated on Quartz hill, Nevada mining district, one mile from Central City; course of vein, northeast and southwest, width, 3 feet, pitch, north; nature of ore, iron and copper pyrites, average value, 7 ounces gold per cord, main shaft, 65 feet deep.

McAdams. Owned by Harley B. Morse, of Central City; claim, 100 by 1500 feet, patented; situated on Mammoth hill, within the limits of Central City; course of vein, northeast and southwest; pitch 5° south, width, 3 feet, pay vein, one foot; nature of ore, pyrites of iron, average value of mill ore, 2½ ounces gold per cord; main shaft, 50 feet deep.

McAllister. Owned by Thomas McAllister and Simon Ewing; office, Central City; claim, 50 by 1500 feet, patented; located 1872; situated on Mammoth hill, Gregory mining district, within the limits of Central City; course of vein, northeast and southwest, pitch 5° south, width, 3 feet, pay vein, 18 inches; nature of ore, iron and copper pyrites, average value, 4 ounces gold per cord; main shaft 150 feet deep; yield to date, $10,000.

Mechanics. Owned by Charles F. Hendrie and Henry Bolthoff, of Central City; claim, 150 by 1500 feet; located 1875; situated on Gunnell hill, Central City mining district, within the limits of Central City; course of vein, northeast and southwest, width, 2 feet, pay vein, 3 inches to one foot, pitch, 10° south; nature of ore, iron pyrites, average value, 4 ounces gold per cord; main shaft 50 feet deep; operated through the Mechanics tunnel.

Mechanics Tunnel. Owned by Charles F. Hendrie and Henry Bolthoff, of Central City; claim, 150 by 3750 feet; located 1875; situated at the base of Gunnell hill, within the limits of Central City; course southwest, length, 200 feet.

Mendota. William Hannah, proprietor; office, Central City; claim, 150 by 1500 feet; located 1876; situated at the head of Virginia Cañon, Virginia mining district, three miles from Central City; course of vein, northeast and southwest, width, 3 feet, pitch north; nature of ore, iron and copper pyrites, average value, 4½ ounces gold per cord; one shaft, 100 feet deep.

Mercer County. Mercer Gold Mining Co., of New York, proprietors, Sidney Davis, of Bald Mountain, agent; claim, 50 by 500 feet; situated on Quartz hill, Nevada mining district, one mile from Central City; vertical vein, running northeast and southwest, width, 5 feet; nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $80 per ton; main shaft 200 feet deep; two drifts, 50 and 150 feet from surface, respectively, aggregating 160 feet in length.

Mineral and Extension. James McNasser, proprietor; office, Denver; claim, 75 by 2400 feet, patented; located 1862; situated on Quartz hill, Nevada mining district, one mile from Central City; course of vein, north and south, width, 3 feet, pitch 25° west; nature of ore, galena, iron and copper pyrites; two shafts aggregating 100 feet in depth.

Minnie. A. P. Baker and E. W. Tyler, proprietors; office, Central City; claim, 150 by 1500 feet; located 1876; situated on Gregory hill, Gregory mining district, near the limits of Central City; vertical vein, running northeast and southwest, width, 3 feet, pay vein, 18 inches; nature of ore, iron and copper pyrites, average value, 8 ounces gold per cord; main shaft, 150 feet deep; shaft house, 14 by 20 feet; yield $7,000.

Missouri. Mercer Gold Mining Co., New York, proprietors; Sidney Davis, of Bald mountain, agent; claim, 50 by 500 feet, patented; situated on Quartz hill, Nevada mining district, half mile from Central City; course of vein, northeast and southwest, width, 4 feet, pitch, 10° north; nature of ore, iron and copper pyrites, average value, 7 ounces gold per cord, smelting ore, $80 per ton; main shaft, 200 feet, and one other shaft 200 feet deep; three levels, 50, 75 and 160 feet from surface respectively, aggregating 300 feet in length.

Monmouth-Kansas. Owned by the Monmouth Consolidated Gold Mining Co., New Jersey; incorporated 1875; capital stock, $450,000, Asburton Fountain, prest., James C. Fagan, vice prest., Charles Fountain, treas., D. Sullivan, supt.; offices, Central City, Colorado, and Matawan, New Jersey, claim, 50 by 600 feet, patented; located 1859; situated on Quartz hill, Nevada mining district, one mile from Central City; course of vein, northeast and southwest, width, 4 feet, pitch, 15° south; nature of ore, mispickle, zinc-blende, iron and copper pyrites, average value of mill ore, 7 ounces gold per cord, smelting ore, $100 per ton; main shaft, 775 feet deep, aggregate depth of other shafting, 500 feet; aggregate length of levels, 6000 feet; shaft and engine house, 50 by 60 feet with a wing 30 by 40 feet, containing two engines, 40 and 70-horse power respectively, four boilers and a 6-inch cornish pump; mill building 80 by 120 feet containing 60 stamps, weighing 525 pounds each, one steam pump and a 75-horse power engine with boilers; capacity, for treating 48 tons of ore in 24 hours; yield in one year under present management $100,000.

Monroe. Owned by the La Crosse Gold Mining Co., New York, Andrews N. Rogers; supt., offices, Central City, Colorado, and New York City; claim, 50 by 400 feet, patented; located 1860; situated on Quartz hill, Nevada mining district, two miles from Central City; course of vein, northeast and southwest, width, 3 feet, pitch, 20° south, pay vein, one foot; nature of ore, iron and copper pyrites, average value, 4 ounces gold per cord; reached by the La Crosse tunnel at a distance of 160 feet from the mouth and intersected at a depth of 70 feet.

Montie, Extension. Owned by O. M. Albro and H. E. Hyatt; office, Bald mountain; claim, 150 by

1000 feet; located 1863, situated on Quartz hill, Illinois Central mining district, one mile from Central City; vertical vein, trending northeast and southwest, width, 4 feet, nature of ore, iron and copper pyrites, average value, 4 ounces gold per cord; main shaft, 50 feet deep.

Montrose. Owned by Peter Thompson & Co., Chicago, Ills.; claim, 50 by 1000 feet, patented; discovered 1869; located on Eureka hill, Eureka mining district, within the limits of Central City; width of vein, 6 feet; average value of ore, 7 ounces gold per cord, smelting ore, $65 per ton; main shaft, 65 feet deep.

Mount Desert. Owned by James C. Fagan; claim, 50 by 831 feet; located on the northwestern slope of Quartz hill, Nevada mining district, two miles from Central City; course of vein, east and west, main shaft 300 feet deep.

Mountain City. Owned by Christopher C. Miller, Frederick Kuhster, Joseph Case and Franz Hatch, of Central City; claim, 50 by 1100 feet, patented; located 1865; situated on Mammoth hill; Gregory mining district, within the limits of Central City; course of vein, northeast and southwest, width, 3 feet, pitch, 25° north, pay vein, 2 inches to 3 feet; nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $100 per ton; main shaft, 225 feet, and three other shafts aggregating 415 feet in depth, four levels aggregating 200 feet in length; reached by the Centennial tunnel; yield to date, $1,800.

Mountain Rose. Owned by Thomas McAllister and Simon Ewing; office, Central City; claim, 50 by 1400 feet; located 1869; situated at head of Packard gulch, one mile from Central City; course of vein, northeast and southwest, pitch, 5° north, width, one foot, nature, of ore, iron and copper pyrites, average value, 7 ounces gold per cord; main shaft, 50 feet deep.

Napoleon. Belden and Tennal Mining Co., proprietors, David D. Belden, supt.; office, Central City; claim, 150 by 1500 feet; patented; located 1877; situated on Casto mountain, within the limits of Central City; course of vein, east and west, width, 5 feet, pay vein, 2½ feet; nature of ore, galena, iron and copper pyrites, average value, 4½ ounces gold per cord; reached by the Belden tunnel at a distance of 500 feet from the mouth.

Narragansett. Owned by the Narragansett Mining Co., Frank H. Messinger, agent; claim, 50 by 400 feet, patented; situated within the limits of Central City; width of vein, 5 feet, average value of ore, 4 ounces gold per cord; two shafts, aggregating 800 feet in depth.

National. Owned by Robert B. Smock; office, Central City; claim, 150 by 1500 feet; located 1876; situated on the eastern slope of Quartz hill, within the limits of Central City; course of vein, east and west, pitch, 15° south, width, 3 feet, pay vein, 18 inches; nature of ore, sulphurets of copper and iron; average value of mill ore, 3 ounces gold per cord, smelting ore, $21 per ton; main shaft 105 feet, and one other shaft 90 feet deep, two tunnels aggregating 210 feet, and two drifts aggregating 140 feet in length; shaft house, 26 by 18 feet.

National Mining Co., incorporated November 20, 1869; capital stock $5,000,000 in 5,000 shares $1,000 each; office, Central City; Frank C. Messinger, prest., Mary Johnson, vice prest., Peter C. Johnson, treas., Charles M. Leland, sec., George H. Hill, chief engineer.

Nemaha, Nos. 1 and 2 east. Owned by Mrs. Francis Field; Henry W. Lake, of Black Hawk, manager; claim, 50 by 100 feet; situated on Bobtail hill, within the limits of Black Hawk; vertical vein, running northeast and southwest, width, 3 feet, pay vein, 6 to 12 inches; nature of ore, iron and copper pyrites, average value, of mill ore, 4 ounces gold per cord; main shaft, 80 feet deep, tunnel 40 feet in length; yield, $1,000.

Nemaha, No. 1, west. Owned by Henry W. Lake, of Black Hawk; claim, 50 by 100 feet; located 1860; situated on Bobtail hill, within the limits of Black Hawk; vertical vein, running northeast and southwest, width, 3 feet, pay vein, 6 to 12 inches; nature of ore, iron and copper pyrites, average value of mill ore 4 ounces gold per cord; main shaft 25 feet deep; yield $200.

New Foundland. Located in Nevada mining district, one mile from Central City; width of vein, 4 feet; main shaft 400 feet deep; yield, $50,000.

New York and Colorado Co., organized under the laws of the State of New York, in the year 1872, capital stock, $1,000,000 in 50,000 shares, $20 each, A. L. Pritchard, prest., W. C. Sheldon, vice-prest., H. Groenmayer, sec., B. T. Wells, supt. and genl. manager; offices, Black Hawk, Colorado, and 52 William street, New York; claims consist of 800 linear feet on the Gregory lode, and 550 linear feet on the Briggs lode, all of which is patented and situated on the Colorado Central railroad, Main street, Black Hawk; course of vein, northeast and southwest, width, 4½ feet, pitch 10° south; nature of ore, iron and copper pyrites, average value of mill ore, 3½ ounces gold per cord, smelting ore, $100 per ton; main shaft, 725 feet, air shaft 900 feet and one other shaft 500 feet deep, one tunnel, 200 feet in length, four levels, 500, 570, 640 and 700 feet from surface respectively, aggregating 2000 feet in length; on the surface is a mill building, 50 by 100 feet, containing 40 stamps, weighing 570 pounds each, one engine, 100 horse power, 4 Bartola pans and a 6 inch Cornish pump; the mill has a capacity for treating 40 tons of ore in 24 hours.

Nimrod. Owned by M. Halm; offices, Central City, Colorado, and Columbus, Ohio; claim, 50 by 1200 feet, patented; located 1862; situated on Quartz hill, Illinois mining district, one mile from Central City; course of vein, northeast and southwest, width, 3 feet, pitch 5° north, pay vein, 6 to 12 inches; nature of ore, galena and iron pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $50 per ton; main shaft, 315 feet and four other shafts aggregating 240 feet in depth, two levels 170 and 200 feet from surface respectively aggregating 500 feet in length; shaft house, 20 by 75 feet, containing a hoisting apparatus and a 10 horse power engine.

Northrup. Owned by the Colorado Central Gold and Silver Mining Co.; offices, Central City, and Morrison, Illinois; claim, 150 by 1500 feet; discovered 1862; situated on Quartz hill, Nevada mining district, two miles from Central City; width of vein, 2½ feet; average value of ore, 4 ounces gold per cord, smelting ore, $100 per ton; main shaft, 80 feet deep, one level, 50 feet from surface and 50 feet in length.

Nottaway, half of Nos. 6 and 7, west. Owned by Robert M. D. Morrison; office, Central City; claim, 150 by 150 feet; situated in Lake gulch, Lake mining district, two miles from Central City; course of vein, northeast and southwest, pitch 10° north, width, 3 feet; nature of ore, iron and copper pyrites, average value of mill ore, 6 ounces gold per cord; main shaft, 50 feet deep; yield, $600.

Nottaway. Owned by Hon. Jerome B. Chaffee; office, Denver; claim, 50 by 1500 feet, patented; located 1862; situated in Lake gulch, Lake mining district, one mile from Central City; course of vein, nearly east and west, pitch 10° north, width, 3 feet, pay vein, 12 inches to 3 feet; nature of ore, iron and copper pyrites, average value of mill ore, 16 ounces gold per cord, smelting ore, $350 per ton; main shaft, 350 feet and four other shafts aggregating 400 feet in depth, two levels, 100 and 200 feet from surface respectively, aggregating 650 feet in length; yield, $200,000.

O. K. James W. Hanna, proprietor; office, Denver; claim, 150 by 1500 feet, patented; located 1860; situated on Mammoth hill, Gregory mining district, within the limits of Central City; course of vein, northeast and southwest, width, 42 inches, pitch 20° south; nature of ore, iron and copper pyrites, average value of mill ore, 6 ounces gold per cord, smelting ore, $25 to 125 per ton; main shaft, 325 feet deep and other shafting aggregating 300 feet, four levels, 40, 115, 225 and 285 feet from surface respectively, aggregating 700 feet in length; shaft and engine house, 45 by 60 feet, 20 horse power engine, hoisting apparatus and 60 feet of iron tramway; yield to date, $21,000.

Old Bullion. Owned by Hon. Henry M. Teller, of Central City; claim, 50 by 100 feet, patented.

Omaha. Henry W. Lake, proprietor; office, Black Hawk; claim, 50 by 200 feet; located 1860; situated at the head of Packard gulch, Gregory mining district, two miles from Black Hawk; course of vein, northeast and southwest, pitch north, pay vein, 6 inches; three shafts aggregating 100 feet in depth.

Omaha. Owned by Mrs. Francis Field, Henry W. Lake and C. W. Mathers; office, Black Hawk; claim, 150 by 1200 feet, patented; located 1859; situated at the head of Packard gulch, Gregory mining district, one mile from Central City; course of vein, northeast and southwest, pitch 10° north, width, 3 feet, pay vein, 6 inches to one foot; nature of ore, iron and copper pyrites, average value, $100 per ton; main shaft, 130 feet and three other shafts aggregating 200 feet in depth, two open cuts, 40 feet in length each; yield, $2,000.

Omaha, Nos. 2 and 3 east. Owned by the New York and Colorado Co., B. T. Wells, manager; offices, Black Hawk, Colorado, and 52 William street, New York; claim, 200 linear feet; located at the head of Packard gulch, one mile from Central City; course of vein, northeast and southwest, width, 3 feet, pitch, 10° north.

Ophir-Burroughs. Owned by the Ophir Gold Mining Co., George E. Randolph, agent; office, Central City; claim, 50 by 462 feet, patented; located 1859; situated on Quartz hill, Nevada mining district, one mile from Central City; course of vein, northeast and southwest, width, 3 feet, pitch, south; nature of ore, iron and copper pyrites, average value of mill ore, 8 ounces gold per cord, smelting ore, $50 to $150 per ton; main shaft, 1000 feet, and three other shafts aggregating 1000 feet in depth; has produced largely.

Ophir-Kansas. Owned by the Ophir Gold mining Co., George E. Randolph, agent; office, Central City, claim, 50 by 200 feet, patented; discovered 1859; situated on Quartz hill, Nevada mining district, one mile from Central City; course of vein, northeast and southwest, width, 3 feet, nature of ore, iron and copper pyrites, average value of mill ore, 6 ounces gold per cord, smelting ore, $75 to $100 per ton; main shaft 450 feet deep.

Parent. Owned by H. H. Atkins, of Georgetown; situated on the summit of the hill south of the Gregory; discovered 1864; main shaft, 225 feet deep.

Peck. Owned by A. C. Johnson, Black Hawk; claim, 50 by 600 feet; discovered 1859, situated in Leavenworth gulch, Illinois mining district; two miles from Central City; width of vein, 4 feet; average value of ore, 3½ ounces gold per cord, smelting ore, $100 to $150 per ton; main shaft, 84 feet deep.

Peck. Owned by William J. Barker and H. J. Hawley, office, Central City; claim, 150 by 400 feet, located 1868; situated in Leavenworth gulch, Illinois mining district, one mile from Central City; vertical vein, trending northeast and southwest, width, 5 feet; nature of ore, iron and copper pyrites, average value, 3½ ounces gold per cord; three shafts, aggregating 300 feet in depth.

Peck & Thomas. Owned by Hon. Henry M. Teller, of Central City; claim, 50 by 600 feet, patented; located 1860; situated on Mammoth hill, Gregory mining district, within the limits of Central City.

Pendleton. Owned by the Gold Rock Mining Co., New York; claim, 50 by 1600 feet, patented; located 1859; situated at the head of Virginia cañon, Russell mining district, two miles from Central City; course of vein, northeast and southwest, pitch, 5° south, width, 4 feet, pay vein, 18 inches; nature of ore, iron pyrites and galena, average value of mill ore, 3 ounces gold per cord, smelting ore, $60 per ton; main shaft, 200 feet deep; mill building, 40 by 80 feet.

Perigo. Owned by John Q. A. Rollins and H. P. Cowenhoven; office, Central City, and Boulder, Colorado; claim, 150 by 200 feet, patented; discovered 1861; situated on Dust mountain, Independent mining district, eight miles from Central City; width of vein, 2½ feet; average value of ore, 8 ounces gold per cord; one tunnel 50 feet in length, one level, 100 feet from surface and 350 in length.

Perrin. Owned by Thomas H. Potter, of Central City; claim, 50 by 500 feet, patented; located on Leavenworth hill, Russell mining district, two miles from Central City.

Perrin. Owned by the Perrin Gold Mining Co.; office, Central City; claim, 50 by 400 feet, patented; located on Leavenworth hill, Russell mining district, two miles from Central City; main shaft, 260 feet deep.

Pewabic. Owned by Edward S. Perrin; office, Central City; claim, 50 by 1000 feet, patented; located 1865; situated on Pewabic mountain, Russell mining district, two miles from Central City; course of vein, northeast and southwest, pitch 35° north, width, 4 feet; nature of ore, iron and copper pyrites, average value, $100 per ton; main shaft, 270 feet, and one other shaft, 125 feet deep, one drift, 125 feet in length; shaft house, 28 by 48 feet, containing a 20 horse power engine and hoisting apparatus; yield to date, $75,000.

Pewabic. Owned by Henry E. Lyon; office, Georgetown; claim, 50 by 400 feet, patented; located 1865; situated in Graham gulch, Russell mining district, two miles from Central City; course of vein, northeast and southwest, pitch 35° north, width, 4 feet; nature of ore, iron and copper pyrites, average, value, $100 per ton; main shaft, 225 feet deep, one drift, 100 feet in length; shaft house, 40 by 45 feet, containing a 40 horse power engine and hoisting apparatus; total yield, $75,000.

Pewabic, No. 3. Owned by Hon. Henry M. Teller, of Central City; claim, 50 by 1200 feet, patented; located in Graham gulch, on Pewabic mountain, Russell mining district, two miles from Central City.

Phenix Mining and Mineral Land Co., of Colorado, incorporated June 3, 1876; capital stock, $200,000, in 20,000 shares, $10 each; office, Denver; organized by John W. and William B. Russell, Clarence P. Elder, Eli M. Ashley and Wilbur C. Lothrop.

Philadelphia-Gardner. Owned by the Monnier Mining Co., of Philadelphia; claim, 50 by 200 feet, patented; located 1860; situated on Quartz hill, Nevada mining district, two miles from Central City; course of vein, nearly east and west, width, 4 feet, pitch 10° south, pay vein, 3 feet; nature of ore, copper pyrites, average value of mill ore, 8 ounces gold per cord, smelting ore, $125 per ton; main shaft, 500 feet deep, aggregate length of levels, 600 feet; shaft house, 40 by 60 feet, containing a hoisting apparatus and a 25 horse power engine; total yield, $260,000.

Philadelphia-Gardner. D. Sullivan, proprietor; office, Central City; claim, 60 by 500 feet, patented; located 1871; situated on Quartz hill, Nevada mining district, one mile from Central City; width of vein, 4 feet; average value of ore, 5 ounces gold per cord; main shaft, 230 feet deep, three levels 75, 85 and 230 feet from surface respectively, aggregating 165 feet in length.

Phœnix-Burroughs. Owned by the La Crosse Gold Mining Co., Andrews N. Rogers, agent; office, Central City; claim, 115 by 305 feet; discovered 1860; situated on Quartz hill, Nevada mining district, one mile from Central City; width of vein, 3 feet, average value of ore, 8 ounces gold per cord, smelting ore, $80 to $100 per ton; main shaft, 340 feet deep; reached by tunnel at a distance of 1000 feet from the mouth and intersected at a depth of 165 feet, one level 300 feet in length.

Phœnix Mining Co., of Colorado; organized under the laws of the State of New York, Moses S. Moody, prest., Robert M. Stratton, sec., Andrews N. Rogers, of Central City, agent.

Pierce. Willard Teller, proprietor; office, Denver; claim, 50 by 500 feet, patented; located 1861; situated at junction of Spring and Nevada gulches, within limits of Central City; course of vein, northeast and southwest, width, 3 feet; nature of ore, iron and copper pyrites; main shaft, 75 feet deep.

Pleasant View. Owned by the Pleasant View Mining Co.; incorporated January 3, 1876; capital stock, $200,000, in 20,000 shares, $10 each; offices, Central City and Denver, Colorado; organized by William M. Roworth, J. Jay Joslin, James Hutchinson, Charles H. Briggs and Sumner T. McKnight; claim, 150 by 1 0n feet; discovered 1864; located o the eastern end of Gunnell hill, within the limits of Central City; main shaft, 300 feet deep; on the surface is a shaft house and a 12 horse power engine; yield to date, $10,000.

Pocahontas. Owned by Ed. Warner, George Martin and William H. Cheatley; office, Central City; claim, 150 by 1000 feet; located 1874; situated on Saratoga hill, Russell mining district, one mile from Central City; width of vein, 2 feet; average value of ore, 5 ounces gold per cord; main shaft, 50 feet deep.

Portage. A. C. Johnson, proprietor; office, Black Hawk; claim, 50 by 800 feet; located 1863; situated in Chase gulch, within the limits of Central City; course of vein, northeast and southwest, width, 2½ feet, pitch 5° south; nature of ore, galena, zinc-blende and iron pyrites, average value, 6 ounces gold per cord, smelting ore, $60 to $100 per ton; two shafts aggregating 100 feet in depth, two levels, 45 and 60 feet from surface, respectively, aggregating 125 feet in length.

Pratt. Willard Teller, proprietor; office, Denver; claim, 50 by 354 feet, patented; located 1862; situated on Quartz hill, Illinois Central mining district, half mile from Central City; vertical vein, running northeast and southwest, width, 3 feet, pay vein, 18 inches; nature of ore, iron and copper pyrites, average value, 4 ounces gold per cord; main shaft, 150 feet deep; yield, $1,000.

Prize. William M. Roworth, proprietor; office, Central City; claim, 150 by 200 feet; located 1862; situated on Prize hill, Nevada mining district, two miles from Central City; width of vein, 4 feet; average value of mill ore, 5 ounces gold per cord, smelting ore, $50 to $75 per ton; two shafts, aggregating 250 feet in depth.

Prospector. J. O. Wheeler, proprietor; office, Black Hawk; claim, 50 by 1500 feet; discovered 1867; situated on Bates hill, Enterprise mining district, within the limits of Black Hawk; width of vein, 6 feet; average value of ore, 3 ounces gold per cord, smelting ore, $110 per ton; main shaft, 35 feet deep; reached by the Prospector tunnel at a distance of 200 feet from the mouth and intersected at a depth of 175 feet.

Prospector Tunnel. Owned by J. O. Wheeler, D. Pippin and E. C. Beach; office, Black Hawk; claim, 50 by 1500 feet; located 1866; situated in Chase gulch, foot of Bates hill, Enterprise mining district, within the limits Black Hawk; length of tunnel, 300 feet.

Prussian. George J. and J. F. Kline, proprietors; office, Central City; claim, 100 by 1500 feet; discovered 1868; located on German hill, Mountain City mining district, half mile from Central City; width of vein, 18 inches; average value of ore, 8 ounces gold per cord; main shaft, 50 feet deep.

Pyrenees. Owned by George W. Estabrook & Co.; office, Bald mountain; claim, 150 by 1850 feet; located 1863; situated on Alps hill, Illinois mining district, two miles from Central City; course of vein, east and west, width, 2 feet, pitch, south; nature of ore, galena, iron and copper pyrites, average value of mill ore, 7 ounces gold per cord, smelting ore, $55 per ton; main shaft, 300 feet deep, three levels, aggregating 500 feet in length; shaft house, containing a 10-horse power engine and hoisting apparatus.

Quartz Hill Tunnel. Owned by the Quartz Hill Tunnel Co., incorporated February, 1866, Henry Altvater, prest., Henry J. Kruse, sec., Henry Kruse, treas., J. H. Lafrenz, supt.; capital stock $50,000 in 50 shares $1,000 each; office, Central City; claim, 150 by 10,000 feet; situated in Nevada gulch, on the eastern slope of Quartz hill, within the limits of Central City; course, southwest, length, 1025 feet; will intersect the Burroughs, Borton, Illinois, and other prominent lodes.

Ranney. Owned by the Belden and Tennal Mining Co., David D. Belden, supt., office, Central City; claim, 150 by 1500 feet, patented; discovered 1877; situated on Casto mountain, within the limits of Central City; width of vein, 2½ feet, pay vein, 18 inches; average value of ore, 7 ounces gold per cord; reached by the Belden tunnel at a distance of 475 feet from the mouth, and intersected at a depth of 350 feet.

Rara Avis. Located on Virginia hill, Idaho mining district, three miles from Central City; claim; 150 by 1400 feet; nature of ore, galena and gray copper.

Rattler. Owned by Richard Bond and James H. Thompson; office, Central City; claim, 150 by 1500 feet, discovered 1877; situated at the forks of the Prosser and Eureka gulches, within the limits of Central City; course of vein, northeast and southwest, width, 3 feet, pitch, 40° north; pay vein, 15 inches, nature of ore, iron and copper pyrites and galena, average value of mill ore, 12 ounces gold per cord, smelting ore, $60 to $160 per ton; main shaft, 55 feet deep.

Register. Willard Teller, proprietor; office, Denver; claim, 50 by 800 feet, patented, located 1866; situated on Quartz hill, Illinois Central mining district, half mile from Central City; vertical vein, running northeast and southwest, width, 2½ feet, nature of ore, iron and copper pyrites, average value 5 ounces gold per ton; main shaft, 125 feet deep; two levels, 50 feet in length respectively.

Register. Owned by Hon. H. M. Teller; office, Central City; claim, 50 by 1500 feet, patented; located 1860; situated on Quartz hill, Illinois mining district, half mile from Central City; course of vein, northeast and southwest, width, 4 feet, pitch, south; nature of ore, iron and copper pyrites, average value of mill ore, 9 ounces gold per cord, smelting ore, $150 to $1,140 per ton; main shaft, 150 feet deep, two levels, 50 and 100 feet from surface, respectively.

Rialto. Thomas Mullen, proprietor; office, Central City; claim, 150 by 1500 feet; situated within the limits of Central City; course of vein, north and south; pitch, southeast; width, 2½ feet; nature of ore, iron and copper pyrites; average value, 4 ounces gold per cord; main shaft, 200 feet deep.

Rob Roy. Owned by Kelty and Tomlinson; office, Black Hawk, claim, 150 by 1500 feet; located 1876; situated between Chase gulch and Clear creek, within the limits of Black Hawk; course of vein, northeast and southwest, width, 18 inches, pitch, south, nature of ore, galena, iron and copper pyrites, average value, 3 ounces gold per cord; main shaft, 50 feet deep, one tunnel 150 feet in length.

Rockdale Gold Mining Co. Edward W. Henderson, agent; offices, Central City, Colorado, and 24 Broadway, New York, J. Fred Pierson, sec. and treas.

Rocky Mountain Mining Bureau of Mines, incorporated September 27, 1872; capital stock, $25,000, in 250 shares, $100 each; office, Central City; organized by Horace H. Atkins, Hal. Sayr and Foster Nichols.

Roderick Dhu. Owned by the Louisville Mining Co.; office, Central City; claim, 50 by 385 feet, patented; located 1860; situated on Quartz hill, Nevada mining district, near the limits of Central City; course of vein, northeast and southwest, pitch 5° south, width, 3 feet, pay vein, 2 feet; nature of ore, iron and copper pyrites, average value of mill ore, 6 ounces gold per cord; smelting ore, $50 per ton; main shaft, 540 feet deep; shaft house, 15 by 20 feet; yield, $300,000.

Roderick Dhu, 50 by 217 feet. Owned by the Rochester Gold Mining Co., New York; office, Black Hawk, Colorado, and Rochester, New York; capital stock, $100,000; patented claim; located 1860; situated on Quartz hill, Nevada mining district, near the limits of Central City; course of vein, northeast and southwest, pitch 5° south, width, 3 feet, pay vein, 2 feet; nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $50 per ton; main shaft, 400 feet deep, three levels, aggregate length 500 feet; yield, $400,000.

Roderick Dhu, 50 by 500 feet. Owned by the Stevens & Deaver Gold Mining Co., New York; incorporated 1864; capital stock, $1,000,000, 100,000 shares, $10 each, J. P. Geraud Foster, prest., Edward W. Henderson, of Central City, manager; patented claim; situated on Quartz hill, Nevada mining district, near the limits of Central City; course of vein, northeast and southwest, pitch 5° south, width, 3 feet, pay vein, 2 feet; nature of ore, iron and copper pyrites, average value of mill ore, 7 ounces gold per cord, smelting ore, $100 per ton; main shaft, 250 feet deep; yield, $200,000.

Running. Horace Humphreys and Rodney French, proprietors, William Fisher, supt.; claim, 50 by 900 feet, patented, located 1859; situated on Colorado Central railroad, within the limits of Black Hawk; vertical vein, running northeast and southwest, width, 3½ feet, pay vein, one foot; nature of ore, iron and copper pyrites, average value of smelting ore, $35 per ton; main shaft, 220 feet and four other shafts, aggregating 300 feet in depth, one level 75 feet in length and 220 feet from surface; shaft house, 25 by 50 feet.

San Juan. Owned by E. W. Stevens, James H. Cameron and Charles W. Anderson; office, Bald Mountain; claim, 50 by 800 feet; discovered 1877; situated on Quartz hill, Illinois mining district, one mile from Central City; width of vein, 4 feet; nature of ore, iron and copper pyrites; one shaft, 50 feet deep.

Sapphire. Located on the north slope of Gunnell hill, near Gunnell lode, one mile from Central City.

Saratoga. Owned by Samuel I. Lorah and Corbit Bacon, of Central City; claim, 150 by 2000 feet, patented; located 1864; situated on Williss gulch, Russell mining district, one mile from Central City; vertical vein, running northeast and southwest, width, 4 feet, pay vein, 3 feet; nature of ore, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord; main shaft, 140 feet and four other shafts aggregating 420 feet in depth, one tunnel, 415 feet and two levels aggregating 150 feet in length; has produced largely in former years and prior to present ownership, yield for the last six months, $6,000.

Satisfaction. Owned by John Scudder and the heirs of John Hense; office, Central City; claim, 100 by 1500 feet, patented; located 1860; situated near the center of Central City; vertical vein, running nearly east and west, width, 5 feet, pay vein, 3 feet; nature of ore, iron pyrites, average value, 3 ounces gold per cord; main shaft, 225 feet deep, aggregate length of levels 200 feet; yield, $12,000.

Searle. Owned by William Ramage, of Central City; claim, 150 by 1400 feet; located on Virginia hill, three miles from Central City; nature of ore, gray copper and galena; main shaft, 140 feet deep.

Shaft. Owned by O. M. Albro and H. E. Hyatt; office, Bald Mountain; claim, 50 by 2900 feet, patented; located 1865; situated on Prize hill, Nevada mining district, one mile from Central City; course of vein, east and west, width, 3 feet, pitch south; nature of ore, iron and copper pyrites, average value, 4 ounces gold per cord; main shaft, 125 feet deep.

Shanks. Owned by William H. Bush, Central City; claim, 150 by 1500 feet, patented; situated on Quartz hill, Central City mining district.

Shaw. Richard H. Rickard, proprietor; office, 19 Nassau street, New York; claim, 50 by 500 feet, patented; located 1861; situated on Quartz hill, Illinois mining district, one mile from Central City; vertical vein, trending northeast and southwest, width, 8 feet; nature of ore, iron and copper pyrites; one shaft, 100 feet deep.

Sierra Madre Tunnel Co., incorporated May 14, 1873, capital stock $5,000,000 in shares of $100 each; office, Denver; organized by George W. Heaton, Peter C. Johnson and Hiram G. Bond.

Silver King. Owned by Chas. F. Hendrie and Henry Bolthoff, of Central City, claim, 150 by 1500 feet, located 1876; situated in Spring gulch, Independent mining district, ten miles from Georgetown; course of vein, northeast and southwest, pitch, 25° southeast, width, 4 feet; nature of ore, galena and gray copper, average value, $40 per ton; main shaft, 40 feet deep, one tunnel on vein, 100 feet, and one crosscut tunnel 60 feet in length.

Sioux City. Located on Bobtail hill, Gregory mining district, within the limits of Black Hawk.

Sleepy Hollow. Owned by C K. Pevey and Mifflin Rasin, office, Central City; claim, 150 by 1400 feet; discovered 1873; situated on Bobtail hill, Gregory mining district, within the limits of Black Hawk; course of vein, northeast and southwest; pitch, south; width, 18 inches; nature of ore, iron and copper pyrites and galena, average value, 7 ounces gold per cord, main shaft, 200 feet deep.

Smith. Owned by Thomas I. Richman; office, Central City, claim, 50 by 1000 feet, patented, located 1859, situated in Chase gulch, within the limits of Central City; course of vein, northeast and southwest, width, 4 feet, pay vein, 18 inches, pitch, north and south; nature of ore, galena, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $100 per ton; two shafts, aggregating 300 feet in length.

Smith. Owned by Harper M. Orahood, of Central City; claim, 150 by 600 feet, patented; located 1859; situated in Enterprise mining district, between Chase gulch and north Clear creek, within the limits of Black Hawk; course of vein, northeast and soutwest, width, 3 feet; nature of ore, galena, iron and copper pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $40 per ton; main shaft, 130 feet deep, two levels, 50 feet in length respectively; yield, $12,000.

Sophia. Alexander Taylor, proprietor; office, Black Hawk; claim, 50 by 1200 feet, located 1864, situated on Eureka hill, Eureka mining district, within the limits of Central City; course of vein, northeast and southwest, width, 4 feet, pay vein, two feet, pitch, 20° north; nature of ore, sulphurets of iron and copper, average value of mill ore, 8 ounces gold per cord; main shaft, 125 feet deep.

South Lewis. William H. Bush, proprietor; office, Central City; claim, 150 by 1500 feet, patented; discovered 1870; situated on Quartz hill, Nevada mining district.

Spencer, Herbert. Owned by the Belden and Tennal Mining Co., David D. Belden, supt., office, Central City; claim, 150 by 1500 feet, patented; discovered 1877; located on Casto mountain, within the limits of Central City; width of vein, 3 feet; average value of ore, 5 ounces gold per cord; reached by the Belden Tunnel, at a distance of 450 feet from the mouth.

Springdale. Owned by Charles McKee and E. T. Carr; office, Central City; claim, 150 by 1500 feet, discovered 1864; situated near Russell gulch, Russell mining district, two miles from Central City; width of vein, 18 inches, average value of mill ore, 8 ounces gold per cord; 3 shafts, aggregating 160 feet in depth.

Spur. Alexander Taylor, proprietor; office, Black Hawk; claim, 50 by 700 feet; located 1859; situated on Eureka hill, Eureka mining district, within the limits of Central City; course of vein, northeast and southwest, width, 4 feet, pay vein, 2 feet; nature of ore, sulphurets of iron and copper, average value, 6 ounces gold per cord; two shafts, aggregating 125 feet in depth, one level 50 feet from surface and 100 feet in length.

Sterling. Owned by Thomas H. Potter and Henry J. Hawley, office, Central City; claim, 150 by 1500 feet, located 1875; situated on Bates hill, within the limits of Central City; course of vein, northeast and southwest, width, 2 feet, pitch, 45° south; nature of ore, iron and copper pyrites, average value of mill ore, 3½ ounces gold per cord; main shaft, 150 feet deep, two levels aggregating 75 feet in length.

Stevens & Deaver Gold Mining Co., New York, incorporated 1864; capital stock $1,000,000 in 100,000 shares of $10 each; J. P. Geraud Foster, prest., Edward W. Henderson, of Central City, manager.

St. Louis. Kilbourne, Jenkins & Co., proprietors; office, Central City; claim, 150 by 400 feet, patented; located 1862; situated on Gunnell hill, within the limits of Central City; course of vein, northeast and southwest, width, 3 feet, pitch, 15° south; nature of ore, iron and copper pyrites, average value of mill ore, 10 ounces gold per cord, main shaft, 350 feet and one other shaft 200 feet deep; three levels 100, 200 and 300 feet from surface respectively, aggregating 200 feet in length; shaft house and hoisting machinery.

St. Louis No. 2. Owned by George A. Patten, M. F. Bebee, Frank and Asahel Kilbourne; office, Central City; claim, 150 by 3000 feet, located 1877; situated on Gunnell hill, within the limits of Central City; course of vein, northeast and southwest, width, 3 feet, pitch, 30° south, nature of ore, iron, copper and galena; three shafts, aggregating 250 feet in depth, one level 150 feet in length.

Sucker. Alexander Taylor, proprietor; office, Black Hawk, claim, 50 by 700 feet, located 1859; situated on Eureka hill, Eureka mining district, within the limits of Central City; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 2 feet; nature of ore, sulphurets of iron and copper, average value of mill ore, 7 ounces gold per cord; three shafts, aggregating 150 feet in depth.

Suderberg. Owned by the First National Bank of Denver and Edward L. Salisbury, of Central City; claim, 50 by 1900 feet, patented; situated on Prize hill, Nevada mining district, near the limits of Central City; course of vein, nearly east and west, width, 4 feet, nature of ore, zinc-blende, iron and copper pyrites, average value of mill ore, 16 ounces gold per cord, smelting ore, $100 to $250 per ton; main shaft, 500 feet, and six other shafts aggregating 120 feet in depth, four levels aggregating 1200 feet in length; yield, $250,000.

Sugar Tit. Owned by William S. Shaw and William Skelley; office, Bald mountain; claim, 50 by 1200 feet, patented; discovered 1869; situated on Quartz hill, Nevada mining district, one mile from Central City; course of vein, east and west, width, 3 feet, pay vein, one foot, nature of ore, galena, iron and copper pyrites, average value, 6 ounces gold per cord; 4 shafts aggregating 312 feet in depth, three levels aggregating 400 feet in length.

Sullivan. Owned by D. Sullivan and others; located on Quartz hill, near Nevada gulch, one mile from Central City; main shaft, 180 feet deep.

Summit. Clinton Reed, proprietor; office, Central City; claim, 150 by 1500 feet, located 1873; situated on Casto mountain, within the limits of Central City; width of vein, 3 feet, average value of mill ore, 4 ounces gold per cord; main shaft, 50 feet deep.

Susquehanna Gold Mining Co., organized under the laws of the State of Pennsylvania, Albert G. Buzby, prest., Henry E. Lincoln, vice prest., Frank H. Messinger, of Black Hawk, agent.

Swansea. John Protheroe and Daniel Harris, proprietors, office, Central City; claim, 150 by 1500 feet, situated in Davenport gulch, Russell mining district, 2½ miles from Central City; course of vein, northeast and southwest; width, 3 feet, pitch, 25° north; one shaft 30 feet deep.

Teller House. Claim, 50 by 400 feet; located 1862; situated on Casto mountain, within the limits of Central City; course of vein, northeast and southwest, width, 4 feet, pay vein, 18 inches, pitch, 5° south; nature of ore, iron and copper pyrites, average value of mill ore, 7 ounces gold per cord, smelting ore, $80 per ton; main shaft, 65 feet deep, two levels, 40 and 60 feet from surface respectively.

Topeka. Owned by the Great Western Gold Mining Co., George E. Randolph, agent; office, Central City; claim, 50 by 200 feet, patented; discovered 1860; situated in Russell mining district, two miles from Central City.

U. S. M. Owned by L. C. Snyder, Blake & Co.; office, Black Hawk; claim, 150 by 1050 feet, patented, discovered 1863; situated in Gregory gulch, within the limits of Central City; width of vein, 4 feet, average value of mill ore, 3½ ounces gold per cord; main shaft, 100 feet deep, one level 40 feet in length and 45 feet from surface.

Vanderbilt. Owned by Hon. Henry M. Teller, of Central City, claim, 50 by 800 feet, patented; located on Gunnell hill, Nevada Mining district, within the limits of Central City.

Vasa. Owned by Bela S. Buell; patented claim, situated on Mammoth hill, Gregory mining district, within the limits of Central City; course of vein, northeast and southwest, width, 6 feet, pitch, 5° south, pay vein, 2 feet; nature of ore, iron and copper pyrites, average value of mill ore, 4 ounces gold per cord, smelting ore, $100 per ton; main shaft, 260 feet, and one other shaft 250 feet deep; aggregate length of levels, 1500 feet.

Victor Silver Mining Co., incorporated May 9, 1877; capital stock $50,000 in 500 shares $100 each; office, Black Hawk; organized by Thomas J. Oyler, George A. Patten, Frederick Leighton, John Needham, Mack F. Bebee and Ed. A. Seiwell.

Victory Mining Co., organized under the laws of the State of Wisconsin; capital stock $250,000 in 2500 shares $100 each, E. C. Gray, prest., W. C. Raynor, vice prest., J. H. Hauser, sec. and treas.; offices, Central City, Colorado, and Fon du Lac, Wis.

Virginia. Harper M. Orahood, of Central City, proprietor; claim, 150 by 1500 feet, patented; located 1859; situated on Casto mountain, within the limits of Central City; course of vein, northeast and southwest, pitch, 5° west, width, 3 feet, pay vein, 14 inches; nature of ore, zinc-blende, iron and copper pyrites; average value of mill ore, 3½ ounces gold per cord; main shaft, 60 feet deep, one open cut, 30 feet in length; yield, $10,000.

Wain. Owned by William and Taylor Lindsley and William Wain; office, Central City; claim, 150 by 1500 feet, patented; located 1877; situated in Chase gulch, within the limits of Black Hawk; course of vein, east and west, width, 5 feet, pitch, 15° north; nature of ore, galena, iron and copper pyrites, average value of mill ore, 7 ounces gold per cord, smelting ore, $75 to $100 per ton; main shaft, 150 feet deep; one tunnel, 200 feet in length, and 75 feet from surface; shaft house, 14 by 36 feet, containing a 15-horse power engine and hoisting apparatus; yield, $2,000.

Washington and Extension. Owned by Lester and Eugene Drake; office, Central City; claim, 150 by 3000 feet; located 1876; situated in Lake gulch, near the limits of Black Hawk; course of vein, northeast and southwest, pitch, 40° north, width, 8 feet, pay vein, 2½ feet; nature of ore, galena, iron and copper pyrites, average value of mill ore, 8 ounces gold per cord, smelting ore, $60 per ton; main shaft, 85 feet, and three other shafts aggregating 160 feet in depth.

Waterman-Kansas. Operated by John R. Berryman and others; located on Kansas lode, Nevada mining district, one mile from Central City.

Watermill. Owned by James C. Fagan; claim, 50 by 200 feet;

located on Quartz hill, one mile from Central City.

West Wyandotte. Owned by William H. Cheatley and George Martin; office, Central City; claim, 100 by 1500 feet; situated on Leavenworth mountain, Illinois mining district, two miles from Central City; width of vein, 3 feet, pay vein, two feet; average value of mill ore, 4 ounces gold per cord, smelting ore, $70 per ton; two shafts, aggregating 200 feet in depth, two levels, aggregating 500 feet in length.

Whipple Gold Mining Co., organized under the laws of Rhode Island; Lyman A. Cook, prest., William H. Learned, agent; office. Woonsocket, Rhode Island, and Central City, Colorado.

White Cloud. Owned by William Martin, of New York City; claim, 50 by 950 feet, patented; located 1864; situated at the head of Virginia cañon, Idaho mining district, 3 miles from Central City; course of vein, northeast and southwest, pitch, 35° north, width, 4 feet; nature of ore, iron and copper pyrites, average value of mill ore, 15 ounces gold per cord; main shaft, 65 feet deep; yield, $5,000.

Whiting, 50 by 500 feet. Owned by Kimber Gray & Co., office, Black Hawk; patented claim; located 1859; situated on Gunnell hill, Eureka mining district, within the limits of Central City; course of vein, northeast and southwest, width, 2 feet, pitch, 35° south; nature of ore, iron and copper pyrites, average value of mill ore, 6 ounces gold per cord; main shaft, 125 feet, and one other, 60 feet deep.

Whiting, 50 by 900 feet. Owned by Edward W. Henderson and Stiles E. Mills, of Central City; patented claim; located 1859, situated on Gunnell hill, Eureka mining district, within the limits of Central City; vertical vein, running east and west, width, 5 feet, pay vein, 2 feet; nature of ore, iron pyrites, average value of mill ore, 4 ounces gold per cord; main shaft, 175 feet deep; one level 50 feet in length; shaft house, 16 by 16 feet.

Whitney. Owned by Green Lee, Nathan Sears and John Hyndman; office, Central City; claim, 50 by 1500 feet; located 1867; situated on Eureka hill, Eureka mining district, one mile from Central City; course of vein, northeast and southwest, pitch, 10° south; width, 3 feet; nature of ore, galena, iron and copper pyrites; average value of mill ore, $30 per ton; main shaft, 100 feet deep, two drifts, aggregating 150 feet in length.

Williams. Owned by Lester, Eugene and Alonzo Drake, R. Morrison, M. H. Root and J. A. Hale; office, Central City; claim, 150 by 2000 feet; located 1860; situated in Lake gulch, near the limits of Black Hawk; course of vein, northeast and southwest, pitch, 40° north, width, 5 feet, pay vein, 2 feet; nature of ore, gray copper, iron and copper pyrites, average value of mill ore, 8 ounces gold per cord; smelting ore, $80 per ton; main shaft, 350 feet, and 8 other shafts aggregating 700 feet in depth, 4 levels aggregating 500 feet in length, being 130, 200 and 290 feet from surface respectively.

Williams, Nos. 2 and 3 west. Owned by Robert M. D. Morrison, office, Central City, claim, 50 by 200 feet; situated in Lake gulch, Lake mining district, two miles from Central City; course of vein, northeast and southwest, pitch, 10° north, width, 4 feet, pay vein, 18 inches; nature of ore, gray copper, iron and copper pyrites, average value, 5 ounces gold per cord, smelting ore, $80 per ton; main shaft, 50 feet deep; yield, $2,000.

Winnebago Property. James W. Hanna, proprietor; office, Denver; claim, 50 by 1200 feet; located 1859; situated on Casto mountain, within the limits of Central City; course of vein, northeast and southwest, width, 45 inches, pitch, 10° south; nature of ore, iron pyrites, average value of mill ore, 5 ounces gold per cord, smelting ore, $50 to $150 per ton; main shaft, 450 feet, and other shafting, aggregating 600 feet in depth, 4 levels, 100, 190, 330 and 400 feet from surface, respectively, aggregating 1000 feet in length; over the mine is erected a mill 100 by 120 feet containing 20 stamps weighing 450 pounds each, six Bartola pans, a 40-horse power engine and hoisting apparatus; yield, $360,000.

Winnebago, 150 by 300 feet. Owned by Ellery, Furnald & Co.; office, Central City; patented claim; located 1862; situated on Casto mountain, within the limits of Central City; width of vein, 4½ feet; average value of mill ore, 8 ounces gold per cord, smelting ore, $70 per ton; main shaft, 100 feet deep, one level, 250 feet in length, and 100 feet from surface.

Wood. Owned by William H. Doe, Sr., office, Central City; claim, 150 by 1600 feet; located 1860; situated at the forks of the Prosser and Eureka gulches, Eureka mining district, within the limits of Central City; vertical vein, trending northeast and southwest, width, 6 feet, pay vein, 4 feet, nature of ore, sulphurets of iron and copper; main shaft, 160 feet deep.

Wood, 50 by 1000 feet. Owned by the Rockdale Gold Mining Co., New York; Edward W. Henderson, agent; office, Central City; situated in Leavenworth gulch, Russell mining district, two miles from Central City; course of vein, east and west, width, 4 feet; nature of ore, iron and copper pyrites; main shaft, 125 feet deep.

Wyandotte Consolidated Gold and Silver mining Co., incorporated April 29, 1878, office, 16 Broad street, New York City, G. E. Tufts, sec.; this company now owns, by recent consolidation, eight well defined gold bearing quartz mines; one of these alone having already produced from its surface workings over $500,000.

Wyandotte. Owned by Horatio E. and Morris Hazard; office, Central City; claim, 50 by 375 feet; located 1875; situated on Leavenworth hill, Russell mining district, one mile from Central City; width of vein, 5 feet; average value of mill ore, 5 ounces gold per cord; main shaft, 140 feet deep.

ORE MILLS.

Black Hawk Mill. Owned by the Consolidated Bobtail Gold Mining Co., Andrews N. Rogers, agent, Frank H. Messinger, asst. supt.; situated on North Clear creek, Black Hawk; has a capacity for treating 65 tons of ore daily; the mill contains 75 stamps and three engines, 20-horse power each.

Boston and Colorado Smelting Co., organized under the laws of the State of Massachusetts, May 11, 1867; capital paid up stock, $750,000 in 7,500 shares, $100 each; offices, Boston, Mass., Denver and Black Hawk, Colorado; J. W. Converse, pres't, J. Warren Merrill, treas., Prof. N. P. Hill, general manager, Henry R. Wolcott, asst. manager, R. Pearce, metallurgist, A. Von Schulz, assayer in charge. The Black Hawk works were commenced in 1867, and consist of a group of buildings covering nearly 5 acres of ground, they are situated on the Colorado Central Railroad and on North Clear creek, within the limits of Black Hawk, one mile from Central City. They have a capacity for treating 60 tons of ore daily, and employ 100 men.

ARGO, the Denver works, situated two miles north of Denver on the Colorado Central Railroad, was commenced in June, 1878, and erected under the supervision of the general manager, Prof. N. P. Hill. This property comprises 80 acres of land, on which are built the main works of the company, consisting of a refinery 64 feet in width by 293 feet in length with a wing 40 by 77 feet, a smelting house 283 feet in length by 38 feet in width; an ore house 119 feet in width by 224 feet in length with a wing 33 by 91 feet; a calcining house 119 feet in width by 224 feet in length; an office, counting room and assay laboratory 42 by 81 feet; and a coal shed 51 by 178 feet. These works are contructed of stone, and covered with a superior quality of corrugated iron roofing, and every department is equipped with the latest and most complete machinery selected with especial reference to the extraction of the precious metals in a manner profitable alike to the miner and the mill management. In addition to the foregoing buildings there are five two story brick dwelling houses of six tenements each, a large hotel with accommodations for 100 persons, together with stables, sheds and other houses of minor importance. The works are surrounded by a substantial stone wall, have a capacity for treating 100 tons of ore daily and give employment to 150 men.

ALMA, BRANCH WORKS, erected in 1874; Henry Williams, supt.; situated in the town of Alma in the county of Park, sixty-three miles from Black Hawk, and one hundred miles from Denver. These works have a capacity for treating 25 tons of ore daily, and employ ten men.

BOULDER SAMPLING AND CRUSHING WORKS, erected in 1876; C. G. Duncan, agent; situated corner Pearl and Eighth streets, in the city of Boulder, forty-three miles from Denver, and twenty-eight miles from Black Hawk; have a capacity for treating 25 tons of ore daily, and employ six men.

Bostwick Mill. Owned by Theodore W. Wheeler and Joseph W. Bostwick; situated on North Clear creek, within the limits of Black Hawk; has a capacity for treating seventy-five cords of ore per month, and contains 25 stamps, a 30 horse power, engine, tables, pans, etc.; this mill was recently enlarged and improved, and is now in good condition.

Buell Mill. Owned by Bela S. Buell; situated in Gregory gulch, within the limits of Central City; has a capacity for treating 50 tons of ore daily, and contains 60 stamps and an 80-horse power engine.

Cleveland Gold Mining Co.'s Mill. Owned by the Cleveland Gold Mining Co.; office, 54 William street, New York; H. A. Johnson, prest.; situated in Leavenworth gulch, two miles from Central City, contains 16 stamps.

Clayton Mill. Operated by Richard Mackey; situated in Nevada gulch, two miles from Central City; has a capacity for treating 3 cords of ore daily, and contains 25 stamps, with other machinery.

Collom's Black Hawk Dressing Works Co., incorporated August 1, 1873; capital stock, $40,000 in 400 shares $100 each; offices, Black Hawk, Colorado, and Trenton, New Jersey; Bradford H. Lock, of Central City, manager; the works of this company are situated on North Clear creek, within the limits of Black Hawk.

Douglas Mill. Situated in Chase gulch, one mile from Black Hawk; contains 25 stamps and has a capacity for treating 2½ cords of ore per day.

Eagle Mill. Owned by the Consolidated Bobtail Gold Mining Co., Andrews N. Rogers, agent; situated on North Clear creek, near Black Hawk, contains 20 stamps with other machinery.

Empire Mill. Owned by John and Samuel Mellor; situated in town of Black Hawk, at the mouth of Chase gulch; has a capacity for treating 80 cords of ore per month, and contains a 20-horse power engine and 25 stamps.

Fullerton Mill. Owned by W. Fullerton and Job V. Kimber; situated on Clear creek, half mile from Black Hawk; has a capacity for treating 100 cords of ore per month, is run by steam and water power, and contains 33 stamps with other machinery.

Field's Mill. Owned by Mrs. Francis Field; situated on North Clear creek, near Boston and Colorado Smelting Works; has a capacity for treating 45 cords of ore per month.

First National Mill. Owned by the First National Gold Mining Co.; situated in Nevada gulch, one mile from Central City; has a capacity for treating 2½ cords of ore daily, and contains 25 stamps.

Golden Flint Mill. Owned by the Golden Flint Mining Co.; William McFarlane, supt.; located in Gamble gulch, eight miles from Central City, and three miles from Rollinsville; contains 15 stamps, 20-horse power engine and has a capacity for treating two cords of ore daily.

Golden Sampling Works. Represented by H. W. Forman; office, Black Hawk.

Gregory Mill. Owned by Briggs Bros.; situated on Colorado Central Railroad, main street, Black Hawk; contains 50 stamps weighing 700 pounds each, a 50-horse power engine, 11 Bartola pans, tables, &c., has a capacity for treating 6 cords of ore daily.

Holdbrook Mill. Owned by William Fullerton and Job V. Kimber; situated on North Clear creek, half mile from limits of Black Hawk; has a capacity for treating 50 cords of ore per month, and contains 15 stamps.

Illinois Mill. Owned by Thomas H. Potter and George W. Jacobs; situated in the eastern slope of Quartz hill, half mile from Central City; contains 22 stamps, an engine, boiler, etc.

Kimber & Fullerton Mill. Owned by William Fullerton and Job V. Kimber; situated on Clear Creek, half mile from limits of Black Hawk; has a capacity for treating 3 cords of ore daily and contains a 20 horse power engine and a 30 horse power water wheel.

Mackey Mill. Owned by Richard Mackey; situated in town of Nevadaville, two miles from Central City; has a capacity for treating 4 cords of ore daily and contains 40 stamps.

Mead Mill. Owned by William Fullerton and Job V. Kimber; situated on North Clear Creek; has a capacity for treating 75 cords of ore per month, and contains 20 stamps.

Monmouth-Kansas Mill. Owned by the Monmouth Consolidated Gold Mining Co., D. Sullivan, supt.; situated in Nevada gulch, one mile from Central City; has a capacity for treating 48 tons of ore daily; the building is 80 by 120 feet; contains 60 stamps, a 75 horse power engine, vats, pans, etc.

New York Mill. Owned by T. H. Potter, George E. Randolph Henry B. Williams, Samuel Meller and others; located within the limits of Black Hawk; contains 50 stamps, an engine, boiler, tables, pans, &c.

New York and Colorado Mill. Owned by the New York and Colorado Company, B. T. Wells, manager; situated on Clear Creek, within the limits of Black Hawk; contains 40 stamps, a 50 horse power engine, seven Bartola pans and an overshot wheel 33 feet in diameter.

Polar Star Mill. Owned Job V. Kimber and Frank C. Young; situated on North Clear Creek, at the intersection of Chase gulch, Black Hawk; the building is a stone structure 65 by 96 feet, with iron roof, contains 35 stamps, 30 horse power engine, tables, pans, etc.; this mill can be run by steam or water power, the capacity is 3 cords of ore daily.

Randolph Mill. Owned by George E. Randolph, George W. Mabee and John O. Raynolds; situated on North Clear Creek, within the limits of Black Hawk; has a capacity for treating 40 tons of ore daily and contains 50 stamps, a 50 horse power engine, tables, pans, etc.

Richman Mill. Owned by T. I. Richman & Co.; situated on

North Clear creek, within the limits of Black Hawk; has a capacity for treating 35 tons of ore daily, and contains 50 stamps, a 50-horse power engine, tables, pans, &c.

Rollins Mill. Owned by John Q. A. Rollins, of Rollinsville; situated eight miles from Central City.

Sensenderfer Mill. Owned by the Consolidated Bobtail Gold Mining Co., Andrews N. Rogers, agent; situated on North Clear creek, one mile from Black Hawk; has a capacity for treating 50 cords of ore per month and contains 20 stamps.

Tascher Mill. Owned by Jacob Tascher; situated in Eureka gulch, near Central City; contains 20 stamps; has a capacity for treating 50 cords of ore per month.

Tomlinson Mill. Owned by Joseph B. Tomlinson; situated on North Clear Creek, within the limits of Black Hawk; has a capacity for treating 2½ cords of ore per day, and contains 38 stamps, a 30 horse power engine, tables, pans, etc.

Wheeler Mill. Owned by Theodore W. Wheeler and D. Sullivan; situated on North Clear creek, near Black Hawk; has a capacity for treating 75 cords of ore per month and contains 25 stamps.

Whitcomb Mill. Operated by Lewis & Aulsebrook; situated in Nevada gulch, two miles from Central City.

Winnebago Mill. Owned by Jams W. Hanna, of Denver; situated on Casto hill, within the limits of Central City; the main building is 100 by 120 feet, and contains 20 stamps, six Bartola pans, a 40-horse power engine, &c.

GRAND COUNTY.

The population of this county is 1,200, and the area 4,278 square miles. It is bounded north by the territory of Wyoming, east by the counties of Larimer, Boulder and Gilpin, west by Routt county and south by Summit and Clear Creek.

Buffalo Patch Placer Diggings. Owned by George W. Day, of Denver; claim, comprises 100 acres of placer ground, located on Antelope creek, Gore Range mining district, 40 miles from Hot Sulphur Springs and 140 miles from Denver.

Crown Point. Owned by H. M. Shively, Charles W. Johnson and W. L. Pattison; office, Hot Sulphur Springs; claim, 300 by 1500 feet; located 1876; situated on Baker mountain, Campbell mining district, thirty-five miles south of Hot Sulphur

Springs; course of vein, north and south, width, 3 feet, pay vein, two to 24 inches, pitch, 45° west; nature of ore, galena, copper and carbonates, assay value, 70 ounces silver per ton and 50 per cent lead; one shaft 30 feet deep.

Gold Run Placer Diggings. Owned by Edward C. Sumner and George W. Day, of Denver; claim comprises 500 acres of placer ground, located on Gold Run, Willow Creek mining district, 12 miles from Hot Sulphur Springs and 100 miles from Denver.

Grand Lake. Owned by J. Baker, W. N. Brown and J. H. Markel; office, Hot Sulphur Springs; claim, 300 by 1500 feet; located 1875; situated on Baker mountain, Campbell mining district, thirty-five miles from Hot Sulphur Springs; course of vein, east and west, width 4 feet, pay vein, two to 24 inches, pitch, 45° north; nature of ore, gray copper, silver glance and black sulphurets, average value, $125 per ton; one shaft, 25 feet deep, one tunnel 25 feet in length.

Hahn's Peak Gold and Silver Mining Co., of Colorado, incorporated July 30, 1874; capital stock, $3,000,000 in 3000 shares $100 each, office, Denver; organized by Daniel C., James, H. and Berty Stover, Charles D. Gurley, Stephen D. N. Bennett, C. Harton, S. Scott, H. S. Moulton and Emerson Hubbard.

Northwestern Park Gold and Silver Mining Co., of Colorado, incorporated July 30, 1874; capital stock, $200,000 in 2000 shares $100 each; office, Denver; organized by Daniel C., James H. and Berty Stover, Charles D. Gurley, H. S. Moulton, and C. Harton S. Scott.

Red Park Mining and Water Co., incorporated October 1, 1875; capital stock, $12,000 in 120 shares, $100 each; office, Denver; organized by Edward H. Rife, Charles B. Sears and James E. Peterson.

Snake River Gold and Silver Mining Co., incorporated July 30, 1874; capital stock, $200,000 in 2000 shares $100 each; office, Denver; organized by Daniel C., James, H. and Berty Stover, C. Harton, S. Scott, Charles D. Gurley and H. S. Moulton.

Crested Mining Co., incorporated May 29, 1877; capital stock, $10,000 in 100 shares; office, Colorado Springs; trustees, R. R. Crawford, Andrew L. Lawton, William L. Wood, Charles Ayer and Robert Basey.

Gunnison Silver Mining Co., Illinois, incorporated February 5, 1877; capital stock, $1,000,000 in 10,000 shares $100 each; office, Pekin, Illinois; organized by J. L. Briggs, D. C. Boley, C. N. Priddy and A. S. Boley.

HINSDALE COUNTY.

The area of this county is 1,528 square miles. It is bounded north by the counties of Gunnison and Saguache, east by Rio Grande and Saguache, west by La Plata, San Juan and Ouray, and south by Conejos and San Juan. The population is 5,000, and the bullion product for 1878, $182,000.

Accidental. Owned by John F. Dodds, William N. Ewing, Thomas J. Peter, C. K. Holliday, Jacob Safford and M. L. Sargent; office, Lake City; claim, 300 by 1500 feet; located 1878; situated on Copper hill, at the head of Henson creek, Galena mining district, fifteen miles from Lake City; vertical vein trending northeast and southwest, width, 4 feet, pay vein, 10 inches; nature of ore, carbonate of copper and sulphurets of silver, average value, $350 per ton; one tunnel, 45 feet in length; yield, $4,000.

Adams, Frank R. Owned by John F. Dodds, Henry and Frank Adams and James B. Duval; office, Lake City; claim, 300 by 1500 feet; located 1878; situated at the head of Henson creek, Galena mining district, fifteen miles from Lake City; course of vein, northeast and southwest, width, 18 feet, two pay veins, 8 inches and 3 feet respectively, pitch 8° east; nature of ore, brittle silver, value, 150 to 4000 ounces silver per ton; one shaft, 15 feet deep, one tunnel 25 feet in length; yield, $500.

Alpine Tunnel Co., incorporated January 10, 1877, capital stock, $100,000, in shares of $100; office, Lake City and Alpine Glen; trustees, Rufus C. Vose, James J. Holbrook, T. J. Anderson, John F. Dodds, Henry C. Olney, Daniel Stone, Mark B. Price, Charles H. Kimball and E. S. Stover.

American. Owned by J. Georke and I. N. Akers; office, Lake City; claim, 300 by 1500 feet; located 1876; situated in Galena mining district, two miles from town of Capitol and ten miles from Lake City; vertical vein, trending north and south, width, 7 feet, pay vein, 20 inches; nature of ore, gray copper and galena, average assay value, 600 ounces silver per ton; three drifts, 20, 25 and 30 feet in length respectively.

American Eagle. B. J. Smith, proprietor; situated at the head of American basin, Park mining district, twenty-five miles from Lake City.

Bank of Lake City. L. B. Clay, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Sheep mountain, Galena mining district, four miles from town of Capitol and fifteen miles from Lake City; vertical vein, trending northwest and southeast, width, 8 feet, pay vein, 4 feet; nature of ore, galena, assay value, $36 per ton; one drift, 30 feet in length and 40 feet from surface.

Barlow Silver Mining Co., incorporated February 9, 1876; capital stock, $500,000, in 5,000 shares, $100 each; offices, Lake City and Denver, Colorado; organized by Alexander Mesler, Henry Y. Cooper, Frank C. Garbutt, Fiske Farrar and Mason B. Carpenter.

Belle of the East. J. W. McFerran, Lewis Whipple and William Peck, proprietors; office, Lake City; claim, 300 by 1500 feet; situated eight miles south of Lake City, on the south fork of the Gunnison river; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 2 to 15 inches; nature of ore, gray copper and galena; main shaft, 100 feet deep, two drifts 110 and 80 feet respectively.

Belle of the West. Owned by Samuel Wade and Otto Mears; office, Lake City; claim, 300 by 1500 feet; situated three miles south of Lake City, on the Lake fork of the Gunnison river; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, 10 inches; nature of ore, gray copper and galena, average value, 85 ounces silver per ton; 4 shafts, 18, 60, 75 and 80 feet in depth respectively, 4 drifts aggregating 525 feet in length; yield, $50,000.

Belle of the West, No. 2. Owned by Joseph Chambers, J. E. Riley & Co.; office, Lake City; claim, 300 by 1500 feet; located 1875; situated on Hotchkiss mountain, Lake mining district, three miles from Lake City; course of vein, east and west, width, 3 feet, pay vein, 15 inches, pitch 30°; nature of ore, galena and gray copper, assay value, 80 ounces silver per ton; one drift, 60 feet and one adit 24 feet in length; accessible by wagon road.

Benton, Tom. Owned by George A. Kellogg and J. W. Hughes; office, Lake City; claim, 300 by 1500 feet; situated on Henson creek, Lake mining district, one mile from Lake City; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, 6 inches; nature of ore, galena and gray copper, average value, 80 ounces silver per ton; one tunnel, 50 feet in length and an open cut with a 12 foot face.

Big Casino. Owned by J. J. Holbrook and W. T. Forrest; office, Lake City; claim, 300 by 1500 feet; located 1875; situated in Galena gulch, Galena mining district, seven miles from Lake City; course of vein, northeast and southwest, width, 3 feet, pitch, 20°; nature of ore, gray copper and galena, average value, 65 ounces silver per ton; one shaft 50 feet deep, one tunnel 90 feet in length.

Black Hornet. B. Snowden, proprietor; office, Lake City; claim, 300 by 1500 feet; situated in Owl gulch, Lake mining district, six miles from Lake City; course of vein, north and south, width 30 inches, pitch, 10° east; nature of ore, horn silver, average value, 72 ounces silver per ton; two drifts, 21 and 35 feet in length respectively, one tunnel 25 feet in length.

Buckeye. Owned by W. N. Marks and G. C. Milner; office, Lake City; claim, 300 by 1500 feet; located 1876; situated on Red mountain, Lake mining district, five miles from Lake City; course of vein, north and south, width, 9 feet, pay vein, 18 inches; pitch, 35°; nature of ore, galena and gray copper, average value, 100 ounces silver per ton; two drifts 20 and 25 feet in length, respectively.

Bummer. Owned by Thompson & Mesler; office, Capitol City; claim, 300 by 1500 feet; situated on Capitol mountain, Galena mining district, near town of Capitol, ten miles from Lake City; course of vein, northeast and southwest, width, 6 feet, pay vein, 30 inches, pitch, 10° southeast; nature of ore, galena, average assay value, $60 per ton; four shafts aggregating 70 feet in depth, one tunnel 45 feet in length, intersecting vein at a depth of 125 feet.

Cashier. Henry Morey, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Galena mountain, near town of Tellurium, Burrows Park mining district, sixteen miles from Lake City; course of vein, north and south, width, 20 feet, pay vein, 4 feet, pitch, 30°; nature of ore, galena, average value, 70 ounces silver per ton; one shaft 25 feet deep.

Child of Fortune. Owned by William M. Friend, H. Pamperin and S. Wendell; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on White Cross mountain, three miles from town of Argentum, Burrows Park mining district, eighteen miles from Lake City; vertical vein, trending northeast and southwest, width, 9 feet, pay vein 10 inches; nature of ore, tellurium and galena, average assay value, $135 per ton; one adit, 30 feet in length and 22 feet from surface, at the end of which is sunk a shaft 36 feet deep.

Christone. Owned by Joseph Hamer; office, Lake City; claim, 300 by 1500 feet; located 1875; situated on the Lake fork of the Gunnison River, Lake mining district, six miles from Lake City; vertical vein, trending north and south, width, 10 feet, pay vein, 24 inches; nature of ore gray copper and galena, value, 120 ounces silver per ton; development, one drift, 25 feet in length and 20 feet from surface; yield, $400.

Cleveland. Owned by Charles R. Fitch, Charles O. and J. C. Evarts; office, Cleveland, Ohio; claim, 300 by 1500 feet, situated on Henson creek, Lake mining district, one mile from Lake City; course of vein, northeast and southwest, width, 4 feet, pay vein, one foot, pitch, 25° west; nature of ore, gray copper and galena, average value, 60 ounces silver per ton; one shaft, 30 feet deep.

Comprehensive. Owned by Joseph and Adolph Nathan, John Schreiner, A. R. Bushnell, John G. Clark, Joseph Bock, and C. H. Murray; offices, Lake City, Colorado, and Lancaster, Wisconsin; claim, 300 by 1500 feet, situated beside Alpine creek on Park mountain, Lake mining district, six miles from Lake City; course of vein, northwest and southeast, width, 4 feet, pay vein, 18 inches, pitch, east, main shaft, 10 feet deep.

Copper Glance. Owned by the Copper Hill Silver Mining Company; claim 300 by 1500 feet; discovered 1874; situated on Copper hill, Galena mining district, fifteen miles from Lake City; nature of ore, gray copper and copper glance, value 150 ounces silver per ton and 35 per cent copper; two tunnels, 60 and 150 feet in length, respectively; yield, $2,000.

Copper Hill Silver Mining Co., incorporated November 25, 1878; capital stock $200,000, in 2,000 shares, $100 each; office, Lake City; organized by W. N. Ewing, John F. Dodds and John H. Maugham.

Cornucopia. Owned by C. Harding and W. Rummel; office, Lake City; claim, 300 by 1500 feet; located 1875; situated on Cottonwood creek, Lake mining district, six miles from Lake City; vertical vein, trending east and west, width, 6 feet, pay vein, 18 inches; nature of ore, galena and gray copper, average assay value, 80 ounces silver per ton, one shaft 20 feet deep, one tunnel 25 feet in length.

Crœsus. Owned by Mesler & Co.; office, Capitol City; claim, 300 by 1500 feet; situated on Capitol mountain, Galena mining district, near town of Capitol, ten miles from Lake City; course of vein, east and west, width, 7 feet, pay vein, 28 inches, pitch, 10° south; nature of ore, gray copper, iron and copper pyrites, average value, 60 ounces silver per ton; one level, 30 feet in length.

Crooke Mining and Smelting Co., organized under the laws of the State of New York; John N. Goodwin, prest.; William H. Smith, sec.; John J. Crooke, agent.

Czar. Owned by Mesler & Co.; office, Capitol City; claim, 300 by 1500 feet; situated on Yellowstone mountain, Galena mining district, near town of Capitol, ten miles from Lake City; course of vein, north and south, width, 6 feet, pay vein, 18 inches, pitch, 10° east; nature of ore, galena, gray copper and sulphurets, average value, 100 ounces silver per ton; one shaft 25 feet deep.

Czarina. Owned by Mesler & Co.; office, Capitol City; claim, 300 by 1500 feet; situated on Yellowstone mountain, Galena mining district, ten miles from Lake City; course of vein, north and south, width, 3 feet, pay vein, 14 inches, pitch, 10° east; nature of ore, galena, gray copper and sulphurets, average value, 75 ounces silver per ton; three shafts 12, 14 and 20 feet in depth, respectively.

Delta. W. Williams, proprietor; office; Lake City; claim, 300 by 1500 feet; located 1877; situated on Henson Creek, Lake mining district, five miles from Lake City; course of vein, northwest and southeast, width, 14 feet, pitch, 30°; nature of ore, galena and gray copper, average value, 80 ounces silver per ton; one shaft, 20 feet deep.

Dolly Varden. Peter Houghton, proprietor; office, Del Norte; claim, 300 by 1500 feet, patented; discovered 1874; situated on Copper mountain, Galena mining district, fourteen miles from Lake City; course of vein, north, 30° east, and south, 30° west, width, 4 feet, pay vein, 10 inches; nature of ore, gray copper and copper pyrites, average value, 300 ounces silver per ton; two shafts, 50 and 30 feet in depth, respectively; yield, $6,000.

Dolphin. Owned by Peter Robertson, E. J. Shaw and F. Siems; office, Lake City; claim, 300 by 1500 feet; situated in Lake mining district, two miles from Lake City; course of vein, northeast and southwest, width, 6 feet, pay vein, 18 inches, pitch, 20°; nature of ore, galena and gray copper, average value, 150 ounces silver per ton, two shafts 25 and 65 feet in depth respectively.

Duke of Argyle. Owned by Albert Campbell and George Crummey; situated in Des Moines gulch, Park mining district, twenty-five miles from Lake City; development, one tunnel 15 feet in length.

Enterprise Tunnel Co., incorporated June 12, 1877; capital stock, $500,000 in 10,000 shares, $50 each; office, Lake City; organized by J. F. McDonald, William R. Kennedy, A. Danford, J. E. Leonard, J. H. Maugham, James Ecklin, George W. Crummey, Sr., C. B. Evans, H. D. Jones, Rienzi E. Peniston and William B. Fonda.

Equator. Owned by the Equator Mining Co., of Colorado; incorporated January 26, 1878, capital stock, $1,000,000 in 1,000 shares, $100 each; offices, Lake City, Colorado, and Philadelphia, Pa.; organized by John H. and Edwin J. Shaw, James Phillips, Thomas M. Bowen, James H. Casey, John Miles and George P. Blunt; claim, 300 by 1500 feet, situated beside Henson creek on Equator mountain, Lake mining district, six miles from Lake City; course of vein, northeast and southwest, width, 4 feet, pay vein, 12 inches, pitch, 30° east; nature of ore, gray copper and galena, average value, $75 per ton; one shaft 25 feet deep, one tunnel 80 feet in length.

Fanny. Owned by the Wisconsin and San Juan Mining Co.; offices, Lake City, Colorado, and Whitewater, Wisconsin; claim, 300 by 1500 feet, situated on Henson creek, Galena mining district, ten miles from Lake City; course of vein, northeast and southwest, width, 7 feet, pay vein, 10 inches; nature of ore, galena, gray copper and native silver, average value, 108 ounces silver per ton; one drift, 25 feet in length.

Fidelia. Owned by Hon. F. W. Pitkin, William Sherman, J. Baum and D. A. Cowell; office, Lake City; claim, 300 by 1500 feet; situated on Red mountain, Lake mining district, seven miles from Lake City; course of vein, northeast and southwest, width, 5 feet, pay vein, 3 feet, pitch, 45°; nature of ore, free gold, average assay value, $3,000 per ton; one tunnel, 150 feet in length, intersecting vein at a depth of 175 feet.

First National Bank. Owned by George Berry and others; office, Lake City; claim, 300 by 1500 feet; situated at the head of Henson creek, foot of Engineer mountain, Galena mining district, eighteen miles from Lake City; course of vein, northeast and southwest, width, 3 feet, pay vein, 8 inches, pitch, 25° east; nature of ore, gray copper and brittle silver, average value, 100 ounces silver per ton; one tunnel 90 feet in length.

Flower of the West. Owned by B. J. Smith; situated at the head of American basin, in Burrows

Park mining district, twenty-five miles from Lake City.

Gladiator. Owned by E. V. B. Hoes, Frank M. Schiedler, J. J. Barrett and J. M. Hill; office, Lake City; claim, 300 by 1500 feet; situated on the Lake fork of the Gunnison river, near the San Cristobal falls; course of vein, northeast and southwest, width, 4 feet, pay vein, 30 inches; nature of ore, gray copper and iron pyrites, average value of first-class ore, 315 ounces, and second-class, 80 ounces silver per ton; one shaft, 40 feet deep, two tunnels 130 and 110 feet in length respectively.

Gnome. Owned by James J. and Albert Bernard, Daniel J. and James D. McKay, William Forsyth and John M. Ross; office, Eureka; claim, 300 by 1500 feet; situated in American basin, near town of Tellurium, sixteen miles from Lake City; course of vein, northeast and southwest, width, 20 feet; nature of ore, galena, gray copper, iron and copper pyrites, average value, 100 ounces silver per ton; one tunnel, 40 feet in length.

Gray Copper. Owned by George Crummy, John Williams, William Richards and Louis Kafka; office, Lake City; claim, 300 by 1500 feet; located 1876; situated on the Lake fork of the Gunnison in Burrows' Park, Park mining district, twenty-five miles from Lake City; course of vein, northeast and southwest, width, 5 feet, pay vein, 15 inches; nature of ore, gray copper and galena, average value, 35 ounces silver per ton; one shaft, 50 feet deep, one tunnel 275 feet in length.

Gunnison Silver Mining Co., organized under the laws of the State of Illinois, February 5, 1877, capital stock, $1,000,000, in 10,000 shares, $100 each; offices, Burrows Park, Colorado, and Pekin, Illinois.

Hidden Treasure. Owned by J. K. Mullen, H. Musgrave and John S. Hough; office, Lake City; claim, 300 by 1500 feet; situated on Ute hill, four miles from Lake City; course of vein, northeast and southwest, width, 4 feet, pay vein, 15 inches, pitch 20° northwest; nature of ore, gray copper and galena; one tunnel, 340 feet in length.

Homestake. Owned by J. J. Barrett, Henry Finley, S. Freeman, and J. M. Hill; office, Lake City; claim, 300 by 1500 feet; situated on Hotchkiss mountain, Lake mining district; course of vein, east and west, width, 4 feet, pay vein, 12 inches, pitch north; nature of ore, gray copper, galena and copper pyrites, average assay value, 75 ounces silver per ton; one shaft, 35 feet deep, one tunnel 27 feet in length.

Hoosier. Situated on the Lake fork of the Gunnison river, Park mining district, twenty-five miles from Lake City.

Hope. Owned by E. V. B. Hoes, William Phillips and George Boggs; office, Lake City; claim, 300 by 1500 feet; situated on Red mountain, at the head of Alpine creek, Lake mining district, eight miles from Lake City; course of vein, northeast and southwest, width, 5 feet, pay vein, 3 feet, pitch south; nature of ore, tellurium, galena and gray copper, assay value, 15 ounces gold and 200 ounces silver per ton; one tunnel, 25 feet and one drift 70 feet in length.

Hope. Robert Kuslick, proprietor; office, Burrows Park; claim, 300 by 1500 feet; situated on Cooper creek, in Burrows Park, Park mining district, twenty-five miles from Lake City; course of vein, northeast and southwest, width, 4 feet, pay vein, 18 inches, pitch 10° north; nature of ore, gray copper and galena, average value, 40 ounces silver per ton; one shaft, 20 feet deep.

Hotchkiss. Owned by Fred C. Peck, M. S. Taylor, J. H. Shaw, and George Wilson; office, Lake City; claim, 300 by 1500 feet; situated on the Lake fork of the Gunnison river, Lake mining district, four miles from Lake City; vertical vein, trending northeast and southwest, pay vein, 14 inches; nature of ore, gray copper and tellurium, average value, 400 ounces silver per ton; two tunnels, 120 and 80 feet in length respectively; yield, $40,000.

Inez. Owned by Hard Bros. & Holt; office, Lake City; claim, 300 by 1500 feet; discovered 1876; situated in Cleveland gulch, at the head of Burrows Park, three miles from Animas Forks and seventeen miles from Lake City; vertical vein, trending northeast and southwest, width, 100 feet; nature of ore, native and ruby silver, average value, 80 ounces silver per ton; one shaft, 25 feet deep, one tunnel 25 feet in length.

Inez, No. 2. Owned by Albert Campbell, W. A. Adams, Joseph Keeler and Col. Terrell, claim, 300 by 1500 feet; situated in Cleveland gulch, at the head of Burrows Park, twenty-five miles from Lake City; course of vein, northeast and southwest; one surface opening 20 feet in length.

Invincible. Henry Morley, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Galena mountain, near town of Tellurium, Burrows Park mining district, eighteen miles from Lake City; vertical vein, trending northwest and southeast, width, 30 feet, pay vein 3 feet; nature of ore, galena and gray copper, average value, 80 ounces silver per ton; one adit, 12 feet in length.

Iron City. Owned by R. Taylor and M. Curran; office, Lake City; claim, 300 by 1500 feet; located 1876; situated in Galena mining district, three miles from town of Capitol and eleven miles from Lake City; course of vein, northwest and southeast, width 4 feet, pay vein, 18 inches; nature of ore, galena, iron and copper pyrites, average value, 40 ounces silver per ton; one shaft, 14 feet deep, one adit 18 feet in length and 12 feet from surface.

Joaquin. Owned by John S. Hough, T. Shanley, Clark Peyton, and Alfred Schiffer; office, Lake City; claim, 300 by 1500 feet; situated on Henson creek, on Capitol mountain, Galena mining district, 12 miles from Lake City; course of vein, northeast and southwest, width, 5 feet, pay vein, 24 inches; nature of ore, galena, average value, $60 per ton; one tunnel, 30 feet in length.

Julia. O. A. Mesler, proprietor; office, Capitol City; claim, 300 by 1500 feet; situated on the north fork of Henson creek, Galena mining district, near town of Capitol, fifteen miles from Lake City; course of vein, north and south, width, 7 feet, pay vein, 5 feet, pitch, 10° east; nature of ore, galena, average value, 56 ounces silver per ton; three shafts, aggregating 75 feet in depth.

Kennebec. Owned by John F. Dodds, Mary R. Ewing and Harry C. Jones; office, Lake City; claim, 300 by 1100 feet; situated at the head of Henson creek, Galena mining district, fifteen miles from Lake City; course of vein, northeast and southwest, width, 18 feet, pay vein, 8 inches to 3 feet; nature of ore, brittle and sulphurets of silver, average value, 150 to 3000 ounces silver per ton; one shaft, 15 feet deep, one drift 15 feet in length; yield, $100.

La Belle Tunnel. Owned by J. C. Bouton, Harvey Wright, J. C. Hepburn, and J. N. Barrett; situated at the foot of White Cross mountain at the head of Burrows Park, twenty-five miles from Lake City; course, southerly; length, 150 feet.

Lake City Mining and Smelting Co., incorporated February 5, 1876; capital stock, $100,000, in 1000 shares, $100 each; office, Lake City; organized by Frank C. Garbutt, John M. Holcombe, Edward P. Wilder, David D. Belden, James W. Abbott, Alba R. Thompson and Jacob J. Abbott, jr.

Lee Mining and Smelting Co., organized under the laws of the State of Illinois, August 9, 1878; capital, paid-up stock, $100,000, in 1000 shares, $100 each; office, Capitol City; William H. Turner, prest.; George S. Lee, manager; Allen M. Culver, sec.

Little Chief. Owned by Andrew Gill, J. W. Brockett, H. Webber and M. B. Gerry; office, Lake City; claim, 300 by 1500 feet; situated on Helen mountain, on Henson creek; Lake mining district, two miles from Lake City; vertical vein, trending northeast and southwest, width, 3 feet, pay vein, 12 inches; nature of ore, gray copper and sulphurets, average value, 200 ounces silver per ton; one shaft, 30 feet deep, one open cut, 15 feet in length.

Little Giant. Owned by Frank Curtis, George P. Childs and E. F. Snook; office, Lake City; claim, 300 by 1500 feet; located 1878; situated on Copper hill, on the north side of Henson creek, Galena mining district, fourteen miles from Lake City; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, 4 inches; nature of ore, gray copper; development, one open cut, with 15-foot face.

Little John. Owned by the Wisconsin and San Juan Mining Company, Hill Witmore, supt.; office, Lake City, Colorado, and Whitewater, Wisconsin; claim, 300 by 1500 feet; situated on Henson creek, Galena mining district, ten miles from Lake City; course of vein, northeast and southwest, width, 7 feet, pay vein, 10 inches; nature of ore, galena, gray copper and native silver, average value, 108 ounces silver per ton; one drift, 35 feet in length.

Little Turk. Owned by Harbottle, Mills & Co.; office, Lake City; claim, 300 by 1500 feet; discovered 1876; situated in Boulder basin Galena mining district, thirteen miles from Lake City; course of vein, northeast and southwest, width, 4 feet, pay vein, 3 to 9 inches; nature of ore, galena and brittle silver, average value, $240 per ton; one open cut, 20 feet in length.

May Flower. Owned by J. A. Warner, A. C. and J. B. Cryder; office, Lake City; claim, 300 by 1500 feet; situated on Hotchkiss mountain, Lake mining district, seven miles from Lake City; course of vein, northeast and southwest, width, 5 feet, pay vein, 15 inches, pitch, north; nature of ore, galena, gray copper and iron, average value, 102 ounces silver per ton; two tunnels, 120 and 180 feet in length, respectively.

Melrose. Owned by Franklin & Co.; office, Lake City; claim, 300 by 1500 feet, located 1876; situated two miles from town of capital, Galena mining district, eight miles from Lake City; course of vein, east and west, width, 8 feet, pitch, 30°, pay vein, 18 inches; nature of ore, galena and gray copper, average value, 400 ounces silver per ton; one adit 30 feet in length.

Moltke. Chas. Schaefer, Theodore Dick and Jacob Gredig, proprietors; office, Rose Cabin; claim, 300 by 1500 feet, situated on Sheep mountain, Galena mining district, fifteen miles from Lake City; course of vein, northeast and southwest, width, 4 feet, pay vein, 20 inches, pitch, 10° southeast; nature of ore, galena, average value, 30 ounces silver per ton; one tunnel 140 feet in length.

Myrtle Wreath. Owned by Albert Campbell and W. A. Adams; situated in Burroughs Park, twenty-five miles from Lake City.

Monroe. George Zantz, proprietor; office, Lake City; claim, 300 by 1500 feet; situated southeast of Lake City, in Lake mining district; vertical vein, trending northeast and southwest, width, 4 feet, two pay veins, 18 and 22 inches respectively; nature of ore, iron and copper pyrites, one open cut twenty feet in length.

Monster. Owned by Harbottle Mills & Co.; office, Lake City; claim, 300 by 1500 feet; discovered 1875; situated in Schaefer basin, Galena mining district, 13 miles from Lake City; vertical vein, trending northeast and southwest, width, 30 feet, pay vein, 14 inches; nature of ore, galena; development, two open cuts, 15 and 20 feet in length respectively.

Mountain Lion. Owned by G. A. Kellogg and J. W. Hughes; office, Lake City; claim, 300 by 1500 feet, situated on Henson creek, Lake mining district, one mile from Lake City; course of vein, northeast and southwest, pitch, 25° southwest; one shaft 30 feet deep, one open cut, 12 feet in length, with 12 foot face.

Napoleon. Owned by Crooke, Posey & Lowe; office, Lake City; claim, 300 by 1500 feet; situated at the foot of White Cross mountain, on the Lake fork of the Gunnison river, Park mining district, 25 miles from Lake City; course of vein, northeast and southwest, width, 5 feet, pay vein, 18 inches, pitch, 12° north; nature of ore, antimony and silver, average value, 600 ounces silver per ton; one shaft, 70 feet deep.

Niagara Falls. Owned by E. V. B. Hoes, Otto Mears, J. J. Barrett, J. M. Hill and James Sparling; office, Lake City; claim, 300 by 1500 feet; situated in Lake mining district, on the north fork of the Gunnison river, near the falls; course of vein, northeast and southwest, width, 4 feet, pay vein, 8 inches, pitch, south; nature of ore, galena and gray copper, assay value, 5 ounces gold and 312 ounces silver per ton; one tunnel, 40 feet in length.

North. Owned by the Wisconsin and San Juan Mining Co.; offices, Lake City, Colorado, and Whitewater, Wisconsin; claim, 300 by 1500 feet; situated on Henson creek, Galena mining district, three miles from Lake City; course of vein, northeast and southwest, width, 5 feet, pay vein, 3 inches, pitch, 10°; nature of ore, galena and gray copper, average value, 65 ounces silver per ton; one drift 25 feet in length.

Occidental. Owned by S. P. and F. M. Truitt and William M. Beers; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Silver creek, one mile from town of Argentum, Burrows Park mining district, 18 miles from Lake City; course of vein, northeast and southwest, width, 30 inches, pay vein, 16 inches; nature of ore, galena and gray copper, assay value, 1100 ounces silver per ton; one tunnel 31 feet in length, intersecting vein at a depth of 25 feet from the surface.

Ocean Wave, and Extension. Owned by the Ocean Wave Mining and Smelting Co., of Lake City, Colorado; incorporated 1877; capital stock, $100,000, in 1000 shares, $100 each; office, Lake City; William R. Bernard, prest., James W. Potter, vice prest., and general manager, A. T. Gunnel, sec., L. H. Spilker, supt., and metallurgist; claim, 300 by 3000 feet, patented; situated beside Henson creek, on Red Rover mountain, Galena mining district, seven miles from Lake City; course of vein, east and west, width, 4 feet, pay vein, two inches to two feet, pitch, 10° south; nature of ore, galena and gray copper, average value, $200 per ton; development; 4 tunnels, 60, 220, 300 and 420 feet in length, respectively; three winzes, aggregating 165 feet; yield to date, $100,000.

Old Hickory Mining Co., incorporated April 28, 1877; capital stock, $1,000,000 in 10,000 shares, $100 each; offices, Lake City, Colorado, and St. Louis, Missouri; trustees, J. D. Angier, N. M. Swasey, Joel N. Angier, L. C. McKenney, John L. Woods, J. L. Sanderson, D. M. Edgerton, T. J. Barnum and H. Sanderson.

Owens, Maggie. Owned by the Silver Brick Mining Company, John S. Hough, prest.; office, Lake City; claim, 300 by 1500 feet; situated half-mile south of Mineral City, Uncompahgre mining district, twenty miles from Lake City; course of vein, northeast and southwest, width, 25 feet, pitch, southeast; nature of ore, galena and gray copper, average value, 30 ounces silver per ton.

Palmetto. Owned by John S. Hough, Joseph Hense and Herman Wertzberger; office, Lake City; claim, 300 by 1450 feet; situated at the head of Henson creek, at the foot of Engineer mountain, Galena mining district, eighteen miles from Lake City; course of vein, northeast and southwest, width 3 feet, pay vein, 8 inches, pitch, 25° east; nature of ore, gray copper and brittle silver, value, 100 ounces silver per ton; one shaft, 53 feet deep, one drift, 75 feet in length; yield $500.

Pelican. Owned by M. Rich, Henry Ruggles and Nye Tuttle; office, Lake City; claim, 300 by 1500 feet; situated on Sugar Loaf mountain beside Hensoncreek, two miles from Lake City; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, 18 inches; nature of ore, gray copper, average value, 59 ounces silver per ton; one shaft, 45 feet deep, one adit, 10 feet in length; yield, $400.

Philadelphia. Owned by Harbottle, Mills and Gregory; office, Lake City; claim, 300 by 1500 feet, situated in Schaefer basin, Galena mining district, thirteen miles from Lake City; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 6 inches; nature of ore, galena and copper carbonates, average value, 70 ounces silver per ton; two open cuts, 20 and 15 feet in length, respectively.

Plutarch. Owned by Nutting, Chambers & Co.; office, Lake City; claim, 300 by 1500 feet; patented; located 1875; situated on Hotchkiss mountain, Lake mining district, four miles from Lake City; vertical vein, trending east and west, width, 3 feet, pay vein, 18 inches; nature of ore, gray copper and brittle silver, average value, 190 ounces silver per ton; main shaft, 100 feet, and two other shafts aggregating 150 feet in depth, two tunnels aggregating 200 feet in length, intersecting the vein at a depth of 60 and 130 feet, respectively, one level 130 feet in length and 60 feet from the surface; shaft-house, 24 by 16 feet; yield to date, $12,000.

Pocahontas. Owned by Frank Curtis and George A. Kellogg; office, Lake City; claim, 300 by 1500 feet, situated in Lake mining district, near Lake City; course of vein, northeast and southwest, width, 7 feet, pay vein, 2 feet, pitch, 5° west; nature of ore, galena, assay value, 20 ounces silver per ton; one shaft, 36 feet deep.

Pride of America. Owned by A. C. Crider, Theodore, J. W. and Frank Taylor and H. F. Smith; office, Lake City; claim, 300 by 1500 feet; located 1875; situated in Galena gulch, Galena mining district, seven miles from Lake City; course of vein, northeast and southwest, width, 3 feet, pitch, 20°; nature of ore, gray copper and galena, value, 65 ounces silver per ton; one shaft, 50 feet deep, one open cut, 15 feet in length.

Providence. Joseph Hamer, proprietor; office, Lake City; claim, 300 by 1500 feet; located 1874; situated on the Lake fork of the Gunnison river, Lake mining district, six miles from Lake City; vertical vein, trending north and south, width, 6 feet, pay vein, 40 inches; nature of ore, gray copper and galena; assay value, 200 ounces silver per ton; one drift, 40 feet in length, and 60 feet from surface.

Putnam Mining Co., incorporated May 18, 1876; capital stock, $500,000 in 5,000 shares, $100 each; office, Denver; organized by Conrad Frick, James J. Rowan, Oliver A. Whittemore, Chas. W. Lehman and August Heckendorf.

Puzzler. Owned by Joseph Chambers and J. E. Riley; office, Lake City; claim, 300 by 1500 feet; located 1875; situated on

Bell of the West mountain, Lake mining district, three miles from Lake City; vertical vein, trending northeast and southwest; width, 8 feet; nature of ore, gray copper, assay value, 65 ounces silver per ton; one shaft, 22 feet deep.

Puzzler. Owned by J. Snowden and A. Rapp; office, Lake City; claim, 300 by 1500 feet; situated on Red Rover mountain, on Henson creek, Galena mining district, seven miles from Lake City; course of vein, east and west, width, 4 feet, pitch, 15° south; nature of ore, galena, gray copper and carbonates; one shaft, 15 feet deep, one open cut, 15 feet in length.

Queen of the West. Owned by John F. Dodds, Joseph Lucas, and Uriah Zimmerman; office, Lake City; claim, 300 by 1500 feet; located 1878; situated at the head of Henson creek, on Poverty hill, Galena mining district, 15 miles from Lake City; course of vein, northeast and southwest, width, 3 feet, pay vein, 12 inches, pitch, 10° west; nature of ore, galena, copper and brittle silver, average value, 150 ounces silver per ton; two shafts, 15 and 25 feet in depth, respectively; one tunnel, 25 feet in length; yield, $200.

Red Cloud Mining Co., incorporated March 4, 1876; capital stock, $500,000, in 5000 shares, $100 each; offices, Lake City and Denver, Colorado; organized by Abram S. Rhodes, James H. Lester, Richard E. Higgins, Frank C. Garbutt, James J. Rowan, Mason B. Carpenter and E. M. Sanford.

Red Rover. Owned by John J. Crooke and J. J. Holbrook; office, Lake City; claim, 300 by 1500 feet; situated on Red Rover mountain, Galena mining district, seven miles from Lake City; course of vein, northeast and southwest, width, 4 feet, pay vein, 8 to 20 inches; nature of ore, gray copper and galena, average value, 150 ounces silver per ton.

Rosa. Owned by W. P. McBride, J. P. Michaels and H. D. McBride; office, Lake City; claim, 300 by 1500 feet; situated on Cottonwood hill, Park mining district, 17 miles from Lake City; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, 6 to 14 inches; nature of ore, silver glance and tellurium; average value, 500 ounces silver per ton; one shaft, 50 feet deep, one tunnel, 50 feet in length; yield, $14,000.

Royal. D. D. Durfee and W. N. Grace, proprietors; office, Lake City; claim, 300 by 1400 feet; located 1876; situated on Henson creek, Lake mining district, three miles from Lake City; vertical vein, trending northwest and southeast, width, 10 feet; nature of ore, galena, iron and copper pyrites, average value, 100 ounces silver per ton; one drift 25 feet in length and 22 feet from surface.

Royal Gem. Owned by Albert Campbell and W. A. Adams; office, Argentum; claim, 300 by 1500 feet, situated in Des Moines gulch, in Burrows Park, 24 miles from Lake City; vertical vein, trending northeast and southwest; nature of ore, galena, assay value, 100 ounces silver per ton; one tunnel 50 feet in length.

Ruby. William M. Friend, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on White Cross mountain, three miles from town of Argentum, Burrows Park mining district, twenty-four miles from Lake City; vertical vein, trending northeast and southwest, width, 6 feet; nature of ore, galena, assay value, $130 per ton; one shaft, 22 feet deep.

Seward County. Owned by Abner Y. Davis, H. C. Beaty and C. L. Peyton; office, Lake City; claim, 300 by 1500 feet; situated in Burrows Park, on the Lake fork of the Gunnison river, Park mining district, 25 miles from Lake City; course of vein, northeast and southwest, width, 4 feet, pay vein, 12 inches, pitch, 10° north; nature of ore, gray copper and galena; average value, 50 ounces silver per ton; one shaft, 65 feet deep.

Sherman. Owned by George Zantz, Dennis, O'Neil and P. McGuire; office, Lake City; claim, 300 by 1500 feet; situated southwest of Lake City; Lake mining district; vertical vein, trending northeast and southweast, width, 3 feet, pay vein, 15 inches; nature of ore, gray copper, value, $35 per ton; one shaft, 28 feet deep.

Silver Brick Mining Co., incorporated March 2, 1876; capital stock, $600,000, shares $10 each; offices, Denver and Lake City, Colorado; John S. Hough, prest., Samuel T. Thompson, sec. and treas.

Silver Coin. Edward Cree, proprietor; office, Lake City; claim, 300 by 1400 feet; located 1876; situated two miles from town of Capitol, Galena mining district, eight miles from Lake City; course of vein, east and west, width, 3 feet, pay vein, 12 inches, pitch, 20°; nature of ore, galena, average value, 80 ounces silver per ton; one shaft, 25 feet deep.

Silver Cord. Owned by Mesler & Co.; office, Capitol City; claim, 300 by 1500 feet; situated in Yellowstone gulch, one mile from town of Capitol and ten miles from Lake City; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 14 inches; nature of ore, galena and gray copper, average value, 97 ounces silver per ton; one shaft, 40 feet deep.

Silver Cord Extension. Owned by John H. Simmons, A. A. and O. A. Mesler, and A. P. Cook; office, Lake City; claim, 300 by 1500 feet; situated on Yellowstone gulch, one mile from town of Capitol, and ten miles from Lake City; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 6 to 20 inches; nature of ore, gray copper; average value, 300 ounces silver per ton; one shaft, 60 feet deep, one open cut, 25 feet in length; yield, $1,000.

Silver Ingot. Frank Curtis and George Campbell, proprietors; office, Lake City; claim, 300 by 1500 feet, situated near the head of Alpine creek, Lake mining district, three miles from Lake City; course of vein, northeast and southwest, width, 6 feet, pay vein, 20 inches; nature of ore, galena, value, 18 ounces silver per ton, and 73 per cent lead; one shaft 65 feet deep.

Sonora. Charles Schaefer; H. Campbell and Charles Rose, proprietors; office, Rose Cabin; claim, 300 by 1500 feet; situated on Gunnison mountain, Galena mining district, 15 miles from Lake City; course of vein, northeast and southwest, width, 6 feet, pay vein, 14 inches, pitch, 15° southeast; nature of ore, gray copper, assay value, 60 ounces silver per ton; one shaft, 25 feet deep.

South. Owned by the Wisconsin and San Juan Mining Co.; offices, Lake City, Colorado, and Whitewater, Wisconsin; claim, 300 by 1500 feet, situated on Henson creek, Galena mining district, three miles from Lake City; course of vein, northeast and southwest, width, 5 feet, pitch, 10°; nature of ore, galena and gray copper, average assay value, $85 per ton; one drift, 100 feet in length.

St. Clair. Benjamin H. Pelton, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1876; situated on Capitol mountain, Galena mining district, one mile from town of Capitol and nine miles from Lake City; vertical vein, trending northwest and southeast, width, 10 feet, pay vein, 10 inches; nature of ore, galena and gray copper, average value, 125 ounces silver per ton; one shaft, 45 feet deep, one level, 60 feet in length and 45 feet from surface; yield, $150.

St. Louis and Extension. Owned by Rufus C. Vose, Chas. H. Kimball and John H. Simmons; office, Lake City; claim, 300 by 3000 feet, situated on Henson creek, Capitol mountain, Galena mining district, fourteen miles from Lake City; vertical vein, trending northeast and southwest, width, 8 feet, pay vein, 30 inches; nature of ore, galena; one open cut, 25 feet in length, with a 20 foot face.

Sultana. Owned by Albert Campbell and W. A. Adams; office, Burrows Park; claim, 300 by 1500 feet, situated in Des Moines gulch, at the head of Burrows Park, 25 miles from Lake City; vertical vein, trending northeast and southwest; nature of ore, galena, iron and copper; one tunnel, 15 feet in length.

Trowbridge. Owned by Harbottle; Mills & Co.; office, Lake City; claim, 300 by 1500 feet; located 1876; situated in Schaefer's basin, Galena mining district, 13 miles from Lake City; vertical vein, trending east and west, width, 4 feet, pay vein, 14 inches; nature of ore, galena and sulphurets of copper; one open cut, 15 feet in length.

Twilight, extension of the Monster. Owned by Albert Campbell and W. A. Adams; claim, 300 by 1500 feet, situated in Park mining district, 24 miles from Lake City; course of vein, northeast and southwest, width, 20 feet; nature of ore, galena, iron and copper; one surface opening, 15 feet in length.

Ute. Crooke & Co., proprietors; office, Lake City; claim, 300 by 1500 feet, situated on the north side of Henson creek; Galena mining district, four miles from Lake City.

Walker. A. W. Brumfield & Co., proprietors, office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Galena mountain, near town of Tellurium, one mile from Ouray; vertical vein, trending northeast and southwest, average width, 4 feet, pay vein, 15 inches; nature of ore, galena and gray copper, average value, 250 ounces silver per ton; one adit, 20 feet in length.

Washington, George. Owned by F. C. Garbutt & Co.; office, Lake City; claim, 300 by 1500 feet, located 1877; situated in Cataract gulch, two miles from town of Sherman, Burrows Park mining district, sixteen miles from Lake City; course of vein, east and west, width, 4 feet, pay vein, 9 inches, pitch, 5°; nature of ore, ruby and brittle silver, average value, 700 ounces silver per ton; one drift, 75 feet in length and 25 feet from surface; yield, $2,500.

Wave of the Ocean, and Ocean Wave. Owned by the Ocean Wave Mining and Smelting Co., of Lake City, Colorado; incorporated 1877; capital stock, $100,000, in 1000 shares, $100 each; office, Lake City, William R. Bernard, prest., James W. Potter, vice prest. and general manager; A. T. Gunnel, sec., L. H. Spilker, supt. and metallurgist; claim, 300 by 3000 feet, patented; situated beside Henson creek, on Red Rover mountain, Galena mining district, seven miles from Lake City; course of vein, east and west, width, 4 feet, pay vein, two inches to two feet, pitch, 10° south; nature of ore, galena and gray copper, average value, $200 per ton; 4 tunnels, 60, 220, 300 and 420 feet in length, respectively, three winzes, aggregating 165 feet in depth; yield to date, $100,000.

Wisconsin and San Juan Mining Co., incorporated April, 1878; capital stock, $30,000, in 300 shares, $100 each; offices, Lake City, Colorado, and Whitewater, Wisconsin, Alonzo Elwood, prest., James Wintermute, vice prest., D. L. Fairchild, sec., J. D. Lott, treas., Hill Witmore, supt.; this company own 19 lodes or mineral veins, 300 by 1500 feet each, and a mill site of 5 acres.

Woods, H. M. Owned by John S. Hough, Thomas Shanley, and others; office, Lake City; claim, 300 by 1500 feet; situated one mile from Capitol City; Galena mining district, ten miles from Lake City; course of vein, northeast and southwest, width, 4 feet, pay vein, 8 inches; nature of ore, iron and copper pyrites, value, 20 ounces silver per ton; one drift, 15 feet in length.

Yankee Blade. Owned by Mesler & Co.; office, Capitol City; claim, 300 by 1500 feet; situated on Capitol mountain, Galena mining district, near town of Capitol, ten miles from Lake City; course of vein, east and west, width, 4 feet, pay vein, 12 inches, pitch, 10° south; nature of ore, gray copper, iron and copper pyrites, average value, 40 ounces silver per ton; four shafts, 14 feet in depth each.

Young America. Owned by Henry Adams, A. H. Hurd, and others; office, Lake City; claim, 300 by 1500 feet; discovered, 1876; situated on Yellow Stone hill, Galena mining district, one mile from town of Capitol and ten miles from Lake City; course of vein, east and west, width, 2 feet, pitch, 10° north; nature of ore, native silver and sulphurets, average value, 100 ounces silver per ton; two shafts, 95 and 65 feet in depth, respectively; one drift, 20 feet in length; yield, $4,500.

ORE MILLS.

Lake City Mining and Smelting Co., incorporated February 5, 1876, capital stock, $100,000, in 1000 shares, $100 each; office, Lake City; organized by Frank C. Garbutt, John Holcombe, Edward P. Wilder, David D. Belden, James W. and Jacob J. Abbott and Alba R. Thompson.

Lake City Sampling Works, Titus & McClelland, proprietors; situated in Lake City; have a capacity for treating 8 tons of ore daily.

Lee Mining and Smelting Co., organized under the laws of the State of Illinois, August 9, 1878; capital, paid up stock, $100,000, in 10,000 shares, $100 each, Geo. S. Lee, manager, Allen M. Culver. sec., William H. Turner, prest.; the works of this company are situated near town of Capitol, eight miles from Lake City.

Lixiviation Works, of W. N. Ewing and associates, situated in Lake City; have a capacity for treating 10 tons of ore in 24 hours.

Ocean Wave Mining and Smelting Co., of Lake City, Colorado, incorporated May 7, 1877, capital stock, $100,000 in 1,000 shares, $100 each, William R. Bernard, prest., James W. Potter, vice prest. and general manager, A. T. Gunnel, sec., L. H. Spilker, supt. and metallurgist. The works have a capacity for treating 20 tons of ore in 24 hours, they are run by water power and situated on the Gunnison river in Lake City. The main building is 48 feet wide by 64 feet in length, and contains all machinery necessary for the successful treatment of ore.

Crooke Concentration Works, organized under the laws of the State of New York, March 1, 1877; capital stock, $50,000 in 500 shares, $100 each; offices, Lake City, Colorado, and New York City; organized by John J., Robert and Lewis Crooke, Oscar E. Schmidt, George V. Tompkins and William O. Loeschigk. The works are situated near Lake City on the Lake fork of the Gunnison river, and have a capacity for treating 75 tons of ore in 24 hours.

HUERFANO COUNTY.

The population of this county is 6,000, and the area 1,584 square miles. It is bounded north by the counties of Custer and Pueblo, east by Las Animas, west by Saguache and Costilla, and south by Costilla and Las Animas.

Center. George W. Morton, proprietor; office, La Veta; claim, 300 by 1500 feet; situated on west Spanish Peak, twelve miles from La Veta, and 65 miles from Pueblo; vertical vein, trending east and west, width, 3 feet; development, one shaft, 20 feet deep.

Boss. Owned by Landis, Mason & Co.; office, La Veta; claim, 300 by 1500 feet; situated on the east gulch of west Spanish Peak, twelve miles from La Veta, and 65 miles from Pueblo; course of vein, east and west, width, 2 feet, pay vein, one to 9 inches; pitch, 5° south; nature of ore, galena and sulphurets, average value, $450 per ton; three shafts, 20, 30 and 15 feet in depth respectively, one tunnel 40 feet in length.

La Veta Mining Co., incorporated May 16, 1878; capital stock, $20,000, in 200 shares $100 each; office, La Veta; F. L. Martin, prest., J. M. Francisco, vice prest., John F. Moore, treas., J. H. McDonald, sec.

Little Gratz. Owned by Rev. Samuel Lougheed, of La Veta; claim, 300 by 1500 feet; situated in the west gulch of west Spanish Peak, twelve miles from La Veta, and 65 miles from Pueblo; course of vein, east and west, width, 4 feet, pitch, 5° south, nature of ore, galena and sulphurets, assay value, 27 ounces silver and two ounces gold per ton; developed by shafts and tunnels.

Setting Sun. Owned by Morton, Patterson, Martin & Co.; office, La Veta; claim, 300 by 1500 feet, situated on west Spanish Peak, 12 miles from La Veta, and 65 miles from Pueblo; course of vein, northeast and southwest, width, 4 feet, pay vein, 16 inches, pitch, 5° south; nature of ore, galena and sulphurets, assay value, 72 ounces silver and 2 ounces gold per ton; two shafts, 12 and 16 feet in depth respectively, one tunnel, 25 feet in length.

Silver Bell. Owned by Louis Crout and Rev. Samuel D. Lougheed; office, La Veta; claim, 300 by 1500 feet, situated midway between the east and west gulches of west Spanish Peak, twelve miles from La Veta, and 65 miles from Pueblo; course of vein, nearly east and west, width, 2 feet; developed by shafts and tunnels.

Single. Owned by Thomas Miller and George Depp; office, La Veta; claim, 300 by 1500 feet, situated on the right hand gulch of west Spanish Peak, twelve miles from La Veta, and 65 miles from Pueblo; course of vein, east and west, width, 4 feet, pitch; 10° south; nature of ore, galena and gray copper; one shaft, 20 feet deep, two tunnels, 20 and 40 feet in length respectively.

JEFFERSON COUNTY.

The population of this county is 7,000, and the area 792 square miles. It is bounded north by Boulder county, east by Arapahoe and Douglas, west by Gilpin, Clear Creek and Park, and south by Park and Douglas. A description of its coal mining and ore reducing interests will be found in the following pages.

French Smelting Works. Located within the limits of Golden; Jaques Gaillardon, prest., M. Sellier, metallurgist and supt.; these works have a capacity for treating 60 tons of ore daily.

Golden Smelting Co., incorporated January 5, 1876; capital stock, $40,000 in 400 shares, $100 each; office, Golden; organized by William B. Young, William West and Thomas A. McMorris; the works of this company have a capacity for treating 25 tons of ore daily; are located on the Colorado Central Railroad, within the limits of Golden, and consist of a group of buildings covering two acres of ground.

Malachite Mining Company of Colorado., organized under the laws of the State of Maine, March, 27, 1877; capital stock, $500,000; offices, Golden, Colorado, and Winterport, Maine, Wilmot H. Chapman, agent, Golden, Colorado; the works of this company have a capacity for treating 5 tons of ore daily, and are situated on the Colorado Central Railroad, within the limits of Golden.

Malachite Mine. Owned by the Malachite Mining Co., Lyman A. Carr, agent; offices, Golden, Colorado, and Boston, Mass.; claim comprises 80 acres of land; located 1865; situated on Bear creek, nine miles from Golden; course of vein, east and west, pitch, 15° north; average width of crevice, 4 feet; one shaft, 128 feet deep, two tunnels, aggregate length 520 feet.

Trenton Dressing and Smelting Co., Trenton, New Jersey; Horace Humphreys, prest., William Hancock, vice prest., Peter W. Crozer, sec. and treas., Daniel Peters, manager, Prof. Joseph Luce, supt.; incorporated September 13, 1877; capital stock, $150,000, in 15,000 shares, $10 each; offices, Golden, Colorado, and Trenton, New Jersey; the works of this company are situated in town of Golden, on the Colorado Central Railroad, at the entrance to Clear Creek cañon, they are substantially constructed of brick and stone, and have a capacity for treating 20 tons of ore daily

Valley Smelting Works. Owned by Gregory Board & Co.; located within the limits of town of Golden; have a capacity for treating 15 tons of ore daily, and contain a 30-horse power engine, one blast, and two roasting furnaces, with other machinery.

COAL MINES.

Colorado Coal Mining Co., incorporated December 15, 1870; capital stock, $100,000, in 1,000 shares, $100 each; office, Golden; organized by T. J. Carter, C. C. Welch, and F. E. Everett.

Colorado Co., Limited, incorporated 1878; capital stock, $500-000, Andrew McKinney, prest., William A. H. Loveland, general manager. The property of this company is located on the Colorado Central Railroad, within the limits of Golden, and comprise a strip of land half mile wide by three miles in length, the mine has a shaft 300 feet deep, and two entries aggregating 1300 feet in length; the vein is vertical, is 15 feet wide and trends north and south; on the surface is a good shaft house and machinery, capable of raising 100 tons of ore daily.

Hartman Coal Mining Co., incorporated July 2, 1873; capital stock, $4,000, in 200 shares, $20 each; office, Denver; organized by Casper R. Hartman, Daniel H. Pratt, Adam Woeber, John Hausle, William H. Barnes, John A. Conners and D. C. Crawford.

Murphy Coal Co., incorporated December 27, 1871; capital stock, $200,000, in 2000 shares, $100 each; office, Denver, John Q. Charles, prest., Henry C. Dillon, sec. and treas., D. M. Murphy, supt. The property of this company comprises 480 acres of land, on Ralston creek, five miles from Golden, and one mile from Colorado Central Railroad. The mine is well developed, has a shaft 14 feet in width by 18 feet in length and 150 feet deep, on the surface are two 60-horse power engines, capable of raising 200 tons of coal daily.

Pittsburg. Owned by John Nichols; located at the mouth of Chimney gulch, half mile from Golden; the vein is 8 feet in width, trends north and south, and pitches 17° west. The mine is developed by a shaft 200 feet deep, and four entries aggregating 2000 feet in length; on the surface is an engine house 18 by 32 feet, containing a 16-horse power engine, one steam pump and a hoisting apparatus; yield, 80 tons of coal daily.

Thomas. Owned by James M. Thomas and Evan Jones. This property comprises 160 acres of land, located between north table mountain and the Hog-back, two miles from Golden; the vein is eight feet wide and trends northeast and southwest; the mine is developed by two entries, aggregating 175 feet in length, and a shaft 8 feet in width by 14 feet in length and 175 feet deep, on the surface is a shaft house 24 by 32 feet, containing a 35-horse power engine and hoisting apparatus.

White Ash. Owned by Robert D. Hall and Amanzo L. Jones; this property is located near the Colorado Central Railroad, within the limits of Golden; the vein is twelve feet wide, is vertical, and trends north and south; the mine is developed by two entries, aggregating 800 feet in length, and a double shaft 7 feet in width by 14 feet in length and 200 feet deep; on the surface is an engine and boiler house, 22 by 33 feet, feet, containing two 100-horse power engines, hoisting apparatus, scales, &c.

LAKE COUNTY.

The area of this county is 1,640 square miles. It is bounded north by the counties of Summit and Park, east by Park and Fremont, west by Gunnison and south by Saguache and Fremont. The population is 15,000, and the bullion product for 1878 $2,650,000. A description of its mining and milling interests will be found in the following pages.

Adelaide. Owned by Adelaide Consolidated Silver Mining and Smelting Co., incorporated May 31, 1878; capital stock, $2,500,000, in 100,000 shares, $25 each; offices, Leadville, Colorado, and Washington, D. C.; trustees, John P. Jones, Jay A. Hubbell, Henry D. Cooke, John R. Magruder, James L. Hill, Woodbury Blair and William H. Barnard; claim, 300 by 1500 feet, located 1877, situated in Stray Horse gulch, California mining district, two miles from Leadville; course of vein, north and south, width, 5 feet, pay vein, 2 feet, pitch, east; nature of ore, carbonate of lead, average value, 90 ounces silver per ton; developed by three shafts aggregating 345 feet in depth; two tunnels, 80 and 100 feet respectively, and one level 125 feet in length; shaft house, 15 by 25 feet.

Ætna. Owned by the Meyer Mining Co.; August R. Meyer, supt., located on Carbonate hill, half mile from Leadville.

Agassiz. Owned by Aden Alexander and Samuel Morgan; offices, Leadville, and Denver, Colorado; claim, 300 by 1500 feet; located in Stray Horse gulch, one mile from Leadville; developed by three shafts, 20, 45 and 85 feet respectively; value of ore, $75 to $160 per ton; yield to date, $17,000.

Alama. Owned by Joseph Hudson and others; office, Alpine; claim, 300 by 1500 feet, located 1877; situated in Grizzly gulch, Chalk Creek mining district, six miles from Alpine, and sixty-five from Leadville; course of vein, northeast and southwest, width, 5 feet, pay vein, 8 inches, pitch, 55° west; nature of ore, galena, assay value, 145 ounces silver per ton; one shaft 42 feet deep.

Alpine Silver Mining Co., of Colorado, incorporated February 6, 1879; capital stock, $2,000,000, in 200,000 shares, $10 each; office, Alpine, Lake county, Colorado; John Splane and Iner Gilbertson, agents.

Alta. Owned by Jones & Shaw; located on Printer Boy hill, three miles from Leadville.

American Eagle. Owned by Herman Hibschle; claim, 300 by 1500 feet; located July 3, 1878; situated on Fryer hill, one mile from Leadville; developed by one shaft, 100 feet deep.

Amie. Owned by Hardenstein and others, of Leadville; situated on Fryer hill, one mile from Leadville; developed by a shaft 125 feet deep.

Anderson, Maggie. Chrysolite Tunnel Co., proprietors; office, Alpine; claim, 300 by 1500 feet, located 1873; situated on Chrysolite mountain, Chalk Creek mining district, six miles from Alpine, and sixty-five miles from Leadville: vertical vein, trending northeast and southwest, width, 30 inches, pay vein, 10 inches; nature of ore, galena and copper pyrites, assay value, 65 ounces silver per ton; one shaft 10 feet deep.

Amna. Owned by J. R. Riggins, J. A. J. Chapman J. Splane; office, Alpine; claim, 300 by 1500 feet; located 1875; situated on Franklin mountain, Chalk Creek mining district, one mile from Alpine and sixty miles from Leadville; course of vein, northeast and southwest, width, 3 feet, pay vein, 15 inches, pitch, 45° northwest; nature of ore, galena and iron pyrites, assay value, 75 to 380 ounces silver per ton; one shaft, 80 feet deep, one level 35 feet in length.

Argentine Mining Co., organized under the laws of the State of Missouri, March 28, 1878; capital stock, $250,000, in 2,500 shares $100 each; offices, Leadville, Colorado, and St. Louis, Mo.; Edwin Harrison, prest., John B. Maude, vice prest.; the mines of this company are located within a radius of one mile from the town of Leadville, and comprise the Keystone, Camp Bird, Charlestown, Pine, and Young America; these mines have produced to date $225,000.

Arkansas River Placer Mining Co.; incorporated October 26, 1876; capital stock, $250,000, in 2,500 shares $100 each; office, Granite; organized by F. A. La Grave, Charles Mater, and Nerii Valle.

Baalbec. Chrysolite Tunnel Co., proprietors; office, Alpine; claim, 300 by 1500 feet; located 1873; situated on Chrysolite mountain, Chalk Creek mining district, six miles from Alpine; course of vein, northeast and southwest, width, 8 feet, pitch, 55° west; nature of ore galena, assay value, 500 ounces silver per ton; one shaft, 15 feet deep.

Belcher. Jones & shaw, proprietors; office, Leadville; claim, 300 by 1500 feet; located 1877; situated on Long's hill, California mining district, five miles from Leadville; course of vein, north and south, width, 4 feet, pay vein, 3 feet, pitch, 45° east; nature of ore, carbonate of lead; developed by a drift 65 feet in length.

Belgium. Owned by Peter Finerty, Richard Dillon, and others; offices, Leadville and Denver, Colorado; claim, 300 by 1500 feet; located June, 1878; situated in Stray Horse gulch, one mile from Leadville; developed by two shafts 30 and 100 feet deep respectively; average value of ore, 67 ounces silver per ton.

Belle of Colorado. Owned by Joseph Pearce, William Pearce and H. A. W. Tabor; office, Leadville; claim, 300 by 1500 feet; located 1877; situated on Iron hill, California mining district, two miles from Leadville; course of vein, north and south, width 18 inches; nature of ore, carbonate of lead, average value, 150 ounces silver per ton; main shaft, 190 feet, and one other shaft, 27 feet in depth; one level, 30 feet in length.

Black Hawk. Owned by the Kansas City Mining and Smelting Co., and A. E. Wright, M. D.; office, Alpine; claim, 300 by 1500 feet; situated on Pomeroy mountain, Chalk Creek mining district, seven miles from town of Alpine, and sixty-six miles from Leadville; course of vein, northeast and southwest, width, 12 feet, pitch, 40° southeast; nature of ore, galena and iron pyrites, average value, 35 ounces silver per ton; one shaft, 30 feet deep, one tunnel, 160 feet in length and 120 feet from surface.

Bradshaw Placer. Owned by Lucius F. Bradshaw; office, Leadville; claim, comprises 20 acres of placer ground, situated in California gulch, one mile from Oro City and three miles from Leadville.

Bullion. Nathan White, proprietor; office, Leadville; claim, 170 by 1120 feet; located 1878; situated in Evans gulch, California mining district, two miles from Leadville; course of vein, north and south, width, 7 feet, pay vein, 4 feet, pitch, 75° east; nature of ore, carbonate of lead; average value, 40 ounces silver per ton; one shaft, 120 feet deep.

Bullseye. Owned by William H. Stevens and Levi Z. Leiter; offices, Leadville, Colorado, and Chicago, Ills.; claim, 300 by 1300 feet; patented; located, 1877; situated in Stray Horse gulch, two miles from Leadville.

Camp Bird. Owned by the Argentine Mining Co.; offices, Leadville, Colorado, and St. Louis, Mo.; claim, 300 by 1500 feet; located 1876; situated in Stray Horse gulch, California mining district, one mile from Leadville; course of vein, north and south, width, 6 feet, pitch, 70° east; nature of ore, carbonate of lead, average value, 85 ounces silver per ton; one tunnel, 250 feet in length, shaft house, 25 by 40 feet.

Carbonate. Nelson Hallock and Albert Cooper, proprietors; office, Leadville; claim, 300 by 1500 feet; patented, located 1877; situated on Carbonate hill, California mining district, one mile from Leadville; course of vein, north and south, width, 4 feet, pay vein, 3 feet, pitch, 70° east; nature of ore, carbonate of lead, average value, 200 ounces silver per ton; one shaft, 30 feet deep, one drift, 500 feet in length, aggregate length of levels, 600 feet; yield, $125,000.

Carbonate Gold and Silver Mining Co., incorporated December 16, 1878; capital stock, $5,000,000 in 500,000 shares, $10 each; offices, Leadville and Denver, Colorado; organized by John M. Bradford, J. J. Bush, Charles L. Kusz, Jr., George Woodward, Jr., and P. S. Rice.

Carbonate and Metallic Lead Co., Colorado, incorporated February 13, 1877; capital stock, $1,000,000 in 100,000 shares, $10 each; office, Detroit, Michigan; trustees, Albinus B. Wood, W. H. Stevens and Albert Cooper.

Carboniferous. Owned by Borden, Tabor & Co.; offices, Leadville, and Denver, Colorado; situated on Fryer hill, one mile from Leadville; developed by a shaft 150 feet deep.

Catalpa. Aden Alexander, proprietor; office, Denver; claim, 235 by 1500 feet, patented; located 1877; situated on Carbonate hill, California mining district, half mile from Leadville; course of vein, north and south, width, 12 feet, pay vein, 3 feet; nature of ore, carbonate of lead, average value, 110 ounces silver per ton; main shaft, 150 feet, three levels aggregating 100 feet in length; shaft house, 16 by 20 feet.

Charlestown. Owned by the Argentine Mining Co., A. R. Meyer, manager; office, Leadville; claim, 300 by 1500 feet, situated in Stray Horse gulch, California mining district, one mile from Leadville; course of vein, north and south, width, one foot; nature of ore, carbonate of lead, average value, 85 ounces silver per ton; two shafts, 40 and 70 feet deep, respectively; aggregate length of drifts, 50 feet.

Chieftain. Owned by W. H. Yankee, J. B. Putnam and others; office, Leadville; claim, 300 by 1500 feet; located 1878; situated on Little Pittsburgh hill, California mining district, one mile from Leadville; course of vein, north and south, width of pay vein, 3 feet, pitch, 70° east; nature of ore, carbonate of lead, average value, 100 ounces silver per ton; main shaft, 72 feet, and one other shaft 40 feet in depth, five levels, aggregating 135 feet in length.

Chrysolite. Owned by Borden, Tabor & Co.; located on Fryer hill, one mile from Leadville; development, one shaft 80 feet deep.

Cincinnati. Owned by Sanders, Mater & Mitchell; office, Leadville; claim, 300 by 1500 feet, patented; located 1870; situated on Weston's Pass, California mining district, nineteen miles from Leadville; course of vein, east and west, width, 5 feet, pay vein, one foot to 5 feet; nature of ore, carbonate of lead, assay value, 60 ounces silver per ton; three shafts aggregating 144 feet in depth, one tunnel 25 feet in length.

Cincinnati Gold Mining Co., incorporated June 13, 1874; capital stock, $200,000, in 200 shares, $1000 each; office, Denver; organized by Emil Loescher, Francis Michael, Fred Cazin and Ferdinand August Schnell.

Circassian Girl. James G. Gillespie and A. C. Pickens, proprietors, office, Leadville; claim, 300 by 1500 feet; located 1878; situated on Long's hill, California mining district, five miles from Leadville; course of vein, northeast and southwest, width, 18 inches, pay vein, 6 inches, pitch, 30° east; nature of ore, carbonate of lead, average value, 27 ounces silver per ton; one shaft 25 feet deep.

Cleora. J. J. B. Dubois and W. J. McDermith, proprietors; office, Ora; claim, 300 by 1500 feet; located 1877; situated on Iron hill, California mining district, one mile from Leadville; course of vein, north and south; nature of ore, carbonate of lead; main shaft 100 feet, and one other shaft 20 feet deep.

Climax. Owned by Berdell & Wetherell, of Leadville; located on Fryer hill, one mile from Leadville; development, one shaft 100 feet deep.

Colorado. Owned by the Topeka Mining and Tunnel Co.; office, Alpine; claim, 300 by 1500 feet; situated in Baldwin gulch, Chalk Creek mining district, near town of Alpine; sixty miles from Leadville; vertical vein, trending north and south, width, 6 feet, pay vein, 4 feet; nature of ore, galena and iron pyrites, average value, 165 ounces silver and 1¼ ounces gold per ton; one shaft 16 feet deep; operated through Topeka Tunnel.

Consolidated Eureka and Tiger Silver and Gold Mining Co., incorporated December 5, 1878; capital stock, $1,500,000, in 150,000 shares, $10 each; office, Leadville; organized by Charles L. Kusz, Jr., W. W. Coble, L. B. Walters, C. H. Lester, O. F. Cheney, S. Carnahan, Charles M. Traeger and Catharine McClellan, Charles L. Kusz, Jr., prest., Charles W. Traeger, vice prest., W. W. Coble, treas., O. F. Cheney, supt. The property of this company is situated in Stray Horse gulch, California mining district, near town of Leadville.

Continental. Henry Campbell, proprietor; office, Alpine; claim, 300 by 1500 feet; located 1873; situated on Maina mountain, Chalk Creek mining district, three miles from Alpine, and sixty-two miles from Leadville; vertical vein, trending northeast and southwest, width, 16 feet, pay vein, 30 inches; nature of ore, iron pyrites and galena, assay value, 50 to 385 ounces silver per ton; one shaft, 45 feet deep, one tunnel 25 feet, and one level 95 feet in length.

Copper. Owned by the Topeka Mining and Tunnel Co.; office, Alpine; claim, 300 by 1500 feet; situated in Boulder gulch, Chalk Creek mining district, near town of Alpine, sixty miles from Leadville; course of vein, north and south, width, 3 feet, pay vein, 2 feet, pitch, 15° west; nature of ore, copper pyrites and galena; assay value, 70 ounces silver and 1¼ ounces gold per ton; one shaft 25 feet deep.

Crescent. Owned by the Meyer Mining Co.; A. R. Meyer, manager; office, Leadville; claim, 300 by 1500 feet; located 1877; situated on Carbonate hill, California mining district, half mile from Leadville; course of vein, north and south, width, 12 feet, pay vein, 3 feet; nature of ore, carbonate of lead, average value, 175 ounces silver per ton; four shafts, 35, 40, 150 and 175 feet in depth respectively, aggregate length of levels and drifts, 500 feet.

Crown Point. Owned by the Meyer Mining Co.; August R. Meyer, supt.; located in California gulch, one mile from Leadville.

Crystal Mountain Mining Co., incorporated March 5, 1877; capital stock, $5,000, in 50 shares, $100 each; office, Colorado Springs; trustees, S. I. Smith, S. C. Robinson, E. N. Bartlett, John Shanley, Sr., Charles Ayer, E. Nicholson, R. C. Lyon, J. L. Davis, Joseph Dozier, J. H. Kerr and William R. Wheeler.

Daisey. Owned by H. C. Chapin, Peter Finerty, and others; office, Denver; located 1878; situated on Fryer hill, one mile from Leadville; developed by a shaft 140 feet deep.

Dana, J. D, Owned by J. F. and J. W. Long, and others; office, Leadville; claim, 300 by 1500 feet, patented; located 1876; situated on Long's hill, California mining district, five miles from Leadville; course of vein, northeast and southwest, width, 8 feet, pay vein, 4 feet, pitch; 50° east; nature of ore, carbonate of lead, average value, 290 ounces silver per ton; main shaft, 120 feet deep, and two other shafts, aggregating 77 feet in depth, one tunnel, 350 feet in length, aggregate length of levels, 285 feet, shaft house, 18 by 20 feet; total yield, $17,000.

Darby Lode Mining Co., incorporated November 9, 1877; capital stock, $21,000 in 2,100 shares, $10 each; office, Denver; trustees, John H. Talbott, James C. Langhorne and Thomas L. Darby.

Decorah. Owned by William A. Fletcher, William Russell and J. H. Hughes; office, Alpine; claim, 300 by 1500 feet; located 1873; situated on Chrysolite mountain, Chalk Creek mining district, six miles from Alpine, and sixty-five miles from Leadville; vertical vein, trending north and south, width, 5 feet, pay vein, 18 inches; nature of ore, galena, iron and copper pyrites, assay value, 20 to 50 ounces silver per ton; one adit, 20 feet in length, with 20-foot face.

Deer Lodge. Owned by John Kelly and others, of Leadville, located near town of Malta, two miles from Leadville.

Dives. Owned by the Little Pittsburg Consolidated Mining Co., located on Fryer hill, one mile from Leadville.

Dolphin. Owned by Peter Finerty, Nelson Hallock and others; office, Leadville; claim, 300 by 1500 feet; located April, 1879; situated on Fryer hill, one mile from Leadville; developed by two shafts, 140 and 150 feet deep, respectively.

Dome, Owned by William H. Stevens and Levi Z. Leiter; claim, 300 by 1500 feet, located two miles from Leadville.

Double Decker. Owned by James Murray and others; situated in Stray Horse gulch, two miles from Leadville; developed by two shafts, 160 and 160 feet, respectively.

Dunderberg. Dubois Tooker and Prof. N. P. Hill, proprietors; office, Leadville; claim, 215 by 1500 feet, located 1878; situated in Stray Horse gulch, California mining district, two miles from Leadville; course of vein, north and south; nature of ore, carbonate of lead, assay value, 158 ounces silver per ton; one drift, 300 feet in length.

Dyer. H. A. W. Tabor and George L. Henderson, proprietors; office, Leadville; claim, 300 by 1500 feet; located 1872; situated on Silver Point mountain, California mining district, six miles from Leadville; course of vein, north and south, width, 6 feet, pay vein, 18 inches, pitch, 30° east; nature of ore, galena and sulphurets, average value, 140 ounces silver per ton; one drift, 140 feet in length; shaft house, 15 by 30 feet; yield, $15,000.

Eaton. Owned by Borden, Tabor & Co.; situated on Fryer hill, one mile from Leadville.

Emmet, Robert. Owned by the Small Hope Mining Pool; offices, Denver and Leadville, Colorado;

claim, 300 by 1500 feet; discovered 1878; situated in Stray Horse gulch, one mile from Leadville; nature of ore, carbonate of lead, value, $75 to $100 per ton; one shaft, 50 feet deep, one drift 50 feet in length.

Eureka. Daniel Trellinger & Co., proprietors; office, Leadville; claim, 300 by 1500 feet; located 1877; situated on Iron hill, California mining district, two miles from Leadville; course of vein, north and south, width, 4 feet, pitch, 70° east; nature of ore, carbonate of lead, assay value, 30 to 500 ounces silver per ton; main shaft, 200 feet deep, two other shafts, aggregating 90 feet in depth, one level, 50 feet in length, and 120 feet from surface.

Eureka Placer. Owned by Aden Alexander and Thomas S. Wells; office, Oro; claim, comprises 40 acres of placer ground, situated in California gulch, near town of Oro, three miles from Leadville; this property is worked by hydraulic pressure, and has yielded $50,000.

Evening Star. Owned by William A. Fletcher, William Russell and J. H. Hughes; office, Alpine; claim, 300 by 1500 feet, located 1873; situated on Chrysolite mountain, Chalk Creek mining district, six miles from Alpine, and sixty-five miles from Leadville; vertical vein trending north and south, width 5 feet, pay vein, 18 inches; nature of ore, galena, assay value, 25 to 50 ounces silver and 10 to 350 ounces gold per ton; one shaft, 40 feet deep.

Excelsior. Owned by Meyer Mining Co.; H. A. W. Tabor and J. J. B. Dubois; office, Leadville; claim, 230 by 1500 feet; located 1877; situated on Carbonate hill, California mining district, half mile from Leadville; course of vein, north and south; nature of ore, carbonate of lead; main shaft, 450 feet deep.

Faint Hope. Owned by J. F. and J. W. Long and others; office, Leadville; claim, 300 by 1500 feet; patented; located 1876; situated on Long's hill, California mining district, five miles from Leadville; course of vein, northeast and southwest, width, 8 feet, pitch, 50° east; nature of ore, carbonate of lead, average value, 150 ounces silver per ton; three shafts, aggregating 142 feet in depth, aggregate length of drifts, 580 feet; total yield, $10,000.

Fairview. Owned by Jacob Freeman and others; claim, 300 by 1500 feet; located June 4, 1878; situated on the western part of Fryer hill, one mile from Leadville.

Fanny Macon. T. R. Rowe and G. W. Cooke, proprietors; office, Alpine; claim, 300 by 1500 feet; located 1877; situated on Chalk creek, Chalk Creek mining district, two miles from Alpine, and sixty-one miles from Leadville; course of vein, north and south, width, 12 feet, pay vein, 7 feet, pitch, 25° west; nature of ore, iron pyrites and galena, assay value, 34 ounces silver per ton; one shaft 18 feet deep, one adit, 30 feet in length, with 25 foot face.

Fish, G. W. Chrysolite Tunnel Co. proprietors; office, Alpine; claim, 300 by 1500 feet; located 1873; situated on Chrysolite mountain, Chalk Creek mining district, six miles from Alpine; vertical vein, trending northeast and southwest, width, 30 inches, pay vein, 10 inches; nature of ore, galena and copper pyrites; one shaft 10 feet deep.

Flag Staff. Owned by Sydenham Mills and Aden Alexander; office, Leadville; claim, 300 by 1500 feet; located 1877; situated in Stray Horse gulch, one mile from Leadville; course of vein, north and south, width, 10 feet, pitch, 20° southeast; nature of ore, carbonate of lead, average value, 150 ounces silver per ton; one tunnel 185 feet in length.

Flat Fluming Co., incorporated June 29, 1876; capital stock, $100,000, in 10,000 shares, $10 each; office, Langhoff's ranch, Lake county; organized by Herman and Henry W. Tuerke and John Langhoff.

Forrest City. Owned by the Small Hope Mining Pool; offices, Leadville and Denver, Colorado; claim, 300 by 1500 feet; situated in Stray Horse gulch, one mile from Leadville; one shaft 60 feet deep.

Frenchman. Owned by Peter Finerty and Richard Dillon; office, Leadville; claim, 300 by 1500 feet; located October, 1878; situated on Gallagher hill, one mile from Leadville; one shaft, 220 feet deep; average value of ore, 67 ounces silver per ton.

Fryer Hill Tunnel Co., incorporated March 3, 1879; capital stock, $250,000, in 2,500 shares, $100 each; office, Leadville; trustees, George W. Davis, Elias Breasley, Henry C. Hewitt and Edward M. Clark.

Galena. Baxter Stingley and James Benson, proprietors; office, Alpine, claim, 300 by 1500 feet; located 1876; situated on Sugar Loaf mountain, Chalk Creek mining district, three miles from Alpine, and sixty-two miles from Leadville; course of vein, northeast and southwest, width, 4 feet, pay vein, one foot, pitch, 45° west; nature of ore, galena, assay value, 11 to 65 ounces silver per ton, one shaft, 95 feet deep.

Gambetta. Owned by Charles Limberg and Charles Byfield, of Leadville; located during the spring of 1878; situated on Fryer hill, one mile from Leadville; developed by two shafts, 150 and 200 feet respectively.

Golden Age Mining Co., of Colorado Springs, incorporated November 1, 1878; capital stock, $100,000, in $10,000 shares, $10 each; office, Colorado Springs; organized b y W. F. Tilton, William Fernsworth, C. and Max Brieglieb, C. W. Sears, F. E. Kimball and E. F. Johnson.

Gone Abroad. George R. Seney and Co., proprietors; office, Leadville; claim, 300 by 1500 feet; located 1878; situated in Stray Horse gulch, California mining district, one mile from Leadville, course of vein, north and south; nature of ore, carbonate of lead, average value, 150 ounces silver per ton; one shaft, 40 feet deep, aggregate length of levels, 100 feet; yield, $6,000.

Grafton. Owned by William Christian, Gomer Richards and Lawrence Skelley, of Leadville; course of claim, northwest and southeast; located December 23, 1878; situated on west Fryer hill, one mile from Leadville; development, one shaft, 70 feet deep.

Grand View. John D. Coon and Judson E. Cole, proprietors; office, Leadville; claim, 300 by

1500 feet, located 1877; situated in Evans gulch, three miles from Leadville; course of vein, north and south; nature of ore, carbonate of lead, assay value, 40 ounces silver per ton; two shaft 28 and 56 feet respectively, one drift, 55 feet in length, and 20 feet from surface.

Grand View. Owned by — Cohen, of Fairplay; claim, 300 by 1500 feet; situated on the west side of Sheridan Peak, on the western slope of Mosquito Range, eleven miles from Fairplay; course of vein, northwest and southeast, width, 3 feet, pitch, 22°; nature of ore, carbonate and cromate of lead, average value, $40 per ton; two tunnels 25 and 60 feet in length respectively.

Green Mountain. Benjamin Bernard and Edward Breese, proprietors; office, Oro; claim, 300 by 1500 feet; located 1878; situated on Bald mountain, four miles from Leadville; course of vein, north and south; nature of ore, galena and carbonate of lead, average value, 52 ounces silver per ton; two shafts, 24 and 80 feet respectively.

Gulnair. Chrysolite Tunnel Co. proprietors; office, Alpine; claim, 300 by 1500 feet; located 1873; situated on Chrysolite mountain, Chalk Creek mining district, six miles from Alpine; course of vein, northeast and southwest; one shaft 30 feet deep.

H. D. Owned by William H. Stevens and Levi Z. Leiter; claim, 300 by 1500 feet, located on Carbonate hill, California mining district, one mile from Leadville.

Hannibal. Henry Brittenstein, proprietor; office, Alpine; claim, 300 by 1500 feet; located 1876; situated in Grizzly gulch, Chalk Creek mining district, six miles from Alpine, and sixty miles from Leadville; vertical vein, trending east and west, width, 12 feet, pay vein, 5 feet; nature of ore, galena, average value, 35 ounces silver and $40 gold per ton; one drift 25 feet in length, and 15 feet from surface.

Hayes. Owned by Benjamin Riggins, Joseph Hudson and others; office, Alpine; claim, 300 by 1500 feet; located 1877; situated on Boulder mountain, Chalk Creek mining district, three miles from Alpine, and sixty-three miles from Leadville; course of vein, northwest and southeast, width, 4 feet, pay vein, one foot, pitch, 30° west; nature of ore, galena and sulphurets, assay value, 30 to 1350 ounces silver ton; two shafts 20 feet each.

Henrietta. Owned by Joseph Pearce, R. J. Goris and others; office, Leadville; claim, 300 by 1500 feet; located 1877; situated in Stray Horse gulch, half mile from Leadville; course of vein, north and south, width, 3 feet; nature of ore, carbonate of lead, average value, 250 ounces silver per ton; main shaft, 125 feet and three other shafts aggregating 110 feet in depth.

Highland Mary. Owned by Joseph Hudson and others; office, Alpine; claim, 200 by 1500 feet; located 1877; situated in Grizzly gulch, Chalk Creek mining district, six miles from Alpine, and sixty-five miles from Leadville; course of vein, northeast and southwest, width, 8 feet, pay vein, 18 inches, pitch, 55° west; nature of ore, galena; one shaft 12 feet deep.

Holland. Owned by the Topeka Mining and Tunnel Co., office, Alpine; claim, 300 by 1500 feet, located in Baldwin gulch, Chalk Creek mining district, two miles from town of Alpine, and sixty miles from Leadville; course of vein, north and south; width, 4 feet, pitch, 15° west; nature of ore, iron pyrites and galena, assay value, 45 ounces silver and 1½ ounces gold per ton; one shaft, 20 feet deep; operated through the Topeka Tunnel.

Home Stake. James Archer, proprietor; office, Denver; claim, 300 by 3000 feet; located 1872; situated at the head of the Arkansas river, sixteen miles from Leadville; course of vein, east and west, width, 2 feet, pay vein, one foot, pitch, 20°; nature of ore, galena and copper pyrites, average value, 150 ounces silver per ton; two drifts aggregating 600 feet, and a tunnel 150 feet in length; shaft house, 20 by 40 feet; yield, $10,000.

Hortense. Owned by George Merriam and estate of E. W. Keyes; office, Hortense; claim, 300 by 1500 feet; located 1872; situated on Mount Princeton, Chalk Creek mining district, nine miles from Alpine, and fifty miles from Leadville, course of vein, northeast and southwest, width, 8 feet, pay vein, 30 inches, pitch, 45° west; nature of ore, galena and sulphurets, average value, 104 ounces silver and one ounce gold per ton; main shaft, 125 feet, and one other shaft 50 feet deep, three levels aggregating 135 feet in length; yield, $20,000.

Ida. Chrysolite Tunnel Co., proprietors; office, Alpine; claim, 300 by 1500 feet; located 1877; situated on Chrysolite mountain, Chalk Creek mining district, six miles from Alpine, and sixty-five miles from Leadville; course of vein, northeast and southwest, width, 8 feet, pay vein, 4 feet, pitch, 55° west; nature of ore, iron pyrites and galena, assay value, 80 ounces silver per ton.

Ida Nyce. Owned by George Nyce of Leadville; claim, 300 by 1500 feet; located on the south edge of Fryer hill, one mile from Leadville.

Inter-Ocean Mining Co., incorporated February 11, 1879; capital stock $10,000, in 100 shares, $100 each; office, Leadville; trustees, J. H. Wheeler, W. E. Lee, John E. Fitzgerald, George B. Berger, A. V. Bohm, John A. Clough and James M. Swem.

Iron. Owned by William H. Stevens and Levi Z. Leiter; offices, Leadville, Colorado, and Chicago, Ills.; claim, 300 by 1500 feet, patented; located August, 1876; situated on Carbonate hill, one mile from limits of Leadville; course of vein, north and south, width, 2 to 10 feet, pitch, 14°; nature of ore, carbonate of lead, chloride of silver and native silver, average value, $100 per ton; development, two incline shafts, 500 and 575 feet in depth, respectively, from which drifts and levels have been run north and south at depths varying from 100 to 300 feet from the surface, with winzes to connect them. On the surface is an office and assay laboratory, a boarding house with accommodations for 100 men, warehouses, ore bins and stables; it is estimated by experts that there is fully $2,000,000 worth of ore in sight in this mine.

Iron Chest. Owned by Darwin

Ray and others; office, Alpine; claim, 300 by 1500 feet, located 1877; situated on Mary Murphy mountain, Chalk Creek mining district, six miles from Alpine and sixty-five miles from Leadville; vertical vein, trending north and south, width, 6 feet, pay vein, 5 feet; nature of ore, galena, assay value, 100 ounces silver per ton; one adit, 10 feet in length, with 12 foot face.

Kansas City Mining and Smelting Co., incorporated March 7, 1876; capital stock $100,000, in 10,000 shares, $100 each; office, town of Alpine; organized by Benjamin L. Riggins, John J. Chapman and George Holmes. The property of this company is situated beside Chalk creek in town of Alpine, fifty-nine miles from Leadville; it consists of smelting works, several prominent lode claims, and the town site of Alpine.

Keyser. J. F. and J. W. Long, proprietors; office, Leadville; claim, 300 by 1500 feet, located 1877; situated in Iowa gulch, California mining district, five miles from Leadville; vertical vein, trending northeast and southwest, width, 30 inches, pay vein, one foot; nature of ore, galena and sulphurets, assay value, 122 ounces silver per ton; one tunnel 25 feet in length.

Keystone. John W. Webb, proprietor; office, Leadville; claim, 300 by 1500 feet, located 1878; situated in Iowa gulch, California mining district, six miles from Leadville; course of vein, northeast and southwest, width, 14 inches; nature of ore, galena and sulphurets, assay value, 980 ounces silver per ton; one drift, 150 feet in length, and 150 from surface.

Keystone. Owned by the Argentine Mining Co.; office, Leadville; claim, 300 by 1500 feet, located 1876; situated in Stray Horse gulch, California mining district, two miles from Leadville; course of vein, north and south, width, 6 feet, pay vein, 5 feet, pitch, east; nature of ore, carbonate of lead, average value, 85 ounces silver per ton; three shafts, 40, 50 and 70 feet in depth, respectively; aggregate length of drifts, 200 feet.

Kit Carson. Owned by Morgan, Jones and others; office, Leadville and Denver, Colorado; claim, 300 by 1500 feet, located June 16, 1878; situated on the western part of Fryer hill, one mile from Leadville.

Kitt. Owned by Topeka Mining and Tunnel Co.; office, Alpine; claim, 300 by 1500 feet; situated in Baldwin gulch, Chalk Creek mining district, near town of Alpine, sixty miles from Leadville; vertical vein, trending north and south, width, 5 feet, pay vein, one foot; nature of ore, galena and iron pyrites, value, 262 ounces silver per ton; one shaft, 25 feet deep, one level, 20 feet in length, operated through Topeka tunnel.

Lady Houghton. Owned by John E. Seeley and William E. Lambert; office, Denver; claim, 150 by 1500 feet, patented; situated in California gulch, one mile from Leadville; nature of ore, hard carbonate, value, $700 per ton; one shaft, 70 feet deep, one level, 35 feet in length; shaft house, 14 by 20 feet; yield to date, $1,400.

Lake County Placer Mining and Ditching Co., incorporated April 19, 1878; capital stock, $25,000, in

2,500 shares, $100 each; office, Granite; trustees, Sydenham Mills, Frank G. and Walter R. Mitchell.

Lake Mining Co., incorporated August 7, 1871; capital stock, $500, in 30 shares; office, Twin Lakes; organized by S. M., C. W. and L. M. Dervy.

La Plata. Owned by Lucius Bradshaw, A. H. Posey, and J. Lightfoot; office, Leadville; claim, 300 by 1500 feet, located 1873; situated in California gulch, California mining district, two miles from Leadville; course of vein, north and south, width, 12 feet, pitch, east; nature of ore, carbonate of lead, average value, 30 ounces silver per ton; three shafts, 16, 25 and 35 feet in depth, respectively, aggregate length of levels, 200 feet; yield, $2,000.

Laurel. Owned by James G. Gillespie, James Donaldson and F. Hayden; office, Leadville; claim, 300 by 1500 feet; located 1878; situated in Stray Horse gulch, two miles from Leadville; course of vein, north and south, width, 6 feet, pitch east; nature of ore, carbonate of lead, average value, 35 ounces silver per ton; one shaft, 80 feet deep.

Law. Ira Mulock and John Law, proprietors; office, Leadville; claim, 300 by 1500 feet; located 1877; situated on Iron hill, two miles from Leadville; course of vein, north and south, width, 5 feet, pitch east; nature of ore, carbonate of lead, assay value, 80 ounces silver per ton; main shaft, 150 feet deep, two other shafts aggregating 230 feet in depth; shaft house, 25 by 25 feet.

Leadville Mining Co., incorporated February 11, 1879; capital stock, $2,000,000, in 200,000 shares, $10 each; offices, Leadville, Colorado, and New York City; A. W. Gill, prest., J. S. Lockwood, sec., Theodore F. Van Wagenen, agent.

Leadville Mining and Manufacturing Co., incorporated July 12, 1878; capital stock, $1,000,000, in 10,000 shares, $100 each; office, Leadville; organized by Nelson Hallock, J. D. and D. T. Griffith, Thomas Starr, A. P. Hereford, George W. Trimble and Charles Cavender.

Lee, Robert E. Henry Brittenstein, proprietor; office, Alpine; claim, 300 by 1500 feet; located 1876; situated in Grizzly gulch, Chalk Creek mining district, six miles from Alpine and sixty-five miles from Leadville; vertical vein, trending northeast and southwest, width, 10 feet, pay vein, 3 feet; nature of ore, galena, assay value, 170 to 200 ounces silver per ton; one shaft, 18 feet deep.

Leetonia. Owned J. H. Gildersleeve, Stephen Joyce, John C. Stallcup and D. C. Lyles; offices, Leadville and Denver, Colorado; located June 8, 1878; situated on West Fryer hill, one mile from Leadville; claim, 300 by 1500 feet; course of vein, northwest and southeast; value of ore, 44 ounces silver per ton; developed by a shaft 70 feet deep.

Legal Tender. Owned by C. C. Kellogg, John C. Stallcup and D. C. Lyles; office, Denver; claim, 300 by 1500 feet; located on Carbonate mountain, in Oro mining district, two miles from Leadville; developed by a shaft 75 feet deep.

Lilly. Henry Brittenstein and Henry Orear, proprietors; office, Alpine; claim, 300 by 1500 feet; located 1878; situated in Grizzly gulch, Chalk Creek mining district, six miles from Alpine and sixty-five miles from Leadville; course of vein, northeast and southwest, width, 5 feet, pay vein, 18 inches, pitch 22° north; nature of ore, galena, copper pyrites and native silver; assay value, 458 ounces silver per ton; one drift, 75 feet in length and 35 feet from surface.

Lime. Owned by Stevens & Leiter; offices, Leadville, Colorado, and Chicago, Illinois; claim, 300 by 1500 feet, patented; situated on Carbonate hill, one mile from limits of Leadville.

Little Chief. Owned by John V. Farwell & Co.; office, Chicago, Illinois; claim, 300 by 1500 feet; located on Fryer hill, one mile from Leadville.

Little Ella. Owned by George R. Fisher and others, of Leadville, claim, 300 by 1500 feet; located in 1878; situated in Evans gulch, three miles from Leadville.

Little Eva. Owned by Borden, Tabor & Co., claim, 300 by 1500 feet; located May 27, 1878; situated on Fryer hill, one mile from Leadville.

Little Mattie. Joseph E. McClure, proprietor; office, Alpine; claim, 300 by 1500 feet; situated on Mama mountain, Chalk Creek mining district, two miles from Alpine and sixty-one miles from Leadville; vertical vein, trending northeast and southwest; width, 12 feet, pay vein, 18 inches; nature of ore, galena, iron and copper pyrites, assay value, 50 to 75 ounces silver per ton; one drift, 35 feet in length and 30 feet from surface.

Little Pittsburg. Owned by the Little Pittsburg Consolidated Mining Co., J. C. Wilson, manager; this property is located on Fryer hill, one mile from Leadville, and comprises the Little Pittsburg, Winnemuc, Dives and New Discovery mines; the property is well developed and has produced to date $500,000.

Log Cabin. Owned by the Topeka Mining and Tunnel Co.; office, Alpine; claim, 300 by 1500 feet; situated in Baldwin gulch, Chalk Creek mining district, two miles from Alpine and sixty miles from Leadville; course of vein, north and south, width, 3 feet, pay vein, 2 feet, pitch, 15° west; nature of ore, galena and iron pyrites; one shaft, 10 feet deep.

Loker. Owned by the Meyer Mining Co., August R. Meyer, supt.; located on the Arkansas river, three miles from Leadville.

Lower Printer Boy. Benjamin Bernard and Co., proprietors; office, Leadville; claim, 50 by 950 feet; located 1868; situated on Printer Boy hill, California mining district, three miles from Leadville; course of vein, north and south, width, 2 feet; nature of ore, free gold, average value, 8 ounces gold per cord; main shaft, 260 feet deep, four other shafts aggregating 250 feet in depth, aggregate length of levels, 250 feet.

Maher, Elizabeth. John Maher and John Sweeney, proprietors; office, Alpine; claim, 300 by 1500 feet; located 1877; situated on Chalk creek, Chalk Creek mining district, two miles from Alpine, and sixty miles from Leadville; vertical vein, trending northeast and southwest, width, 16 feet, pay vein, 5 feet; nature of ore, galena and pyrites of iron, assay value, 44 to 86 ounces silver per ton; one drift, 37 feet in length, and 35 feet from surface.

Maid of the Mist. Chrysolite Tunnel Co. proprietors; office, Alpine; claim, 300 by 1500 feet; located 1873; situated on Chrysolite mountain, Chalk Creek mining district; six miles from Alpine; course of vein, northeast and southwest, width, 12 feet, pitch, 55° west; nature of ore, galena, assay value, 262 ounces silver per ton; one adit, 10 feet in length.

Malta Smelting and Mining Co., incorporated February 1, 1876; capital stock, $125,000, in 250 shares, $500 each; office, Malta; organized by Henry G. Meyer, Rudolph Rheinboldt, Louis Krohn, B. Bettman and J. Buss.

Meyer Mining Co., organized under the laws of the State of Missouri, November 12, 1877; capital stock, $220,000, in 2,200 shares, $100 each; office, Leadville; G. W. Chadburne, prest., John B. Maude, vice prest., James R. Loker, sec. and treas., August R. Meyer, resident director; the mines owned by this company are situated within a radius of one mile from the town of Leadville, and comprises the Crescent, Ætna, Rough-and-Ready, Pinnacle, Crown Point, and Loker; these mines have produced to date, $150,000.

Mike. Owned by Thomas Starr, Michael and John Hayes; office, Leadville; claim, 300 by 3000 feet, located 1867; situated in Stray Horse gulch, two miles from Leadville, course of vein, north and south, width, 26 feet, pitch, east; nature of ore, carbonate of lead, average value, 300 ounces silver per ton; one shaft, 65 feet, one tunnel, 500 feet in length, and 150 feet from surface.

Minnatoka. Joseph Hudson and G. W. Fisher, proprietors; office, Alpine; claim, 300 by 1500 feet; located 1873; situated on Chrysolite mountain, Chalk Creek mining district, six miles from Alpine; vertical vein, trending northeast and southwest, width, 60 feet, pay vein, 3 feet; nature of ore, galena, iron and copper pyrites, assay value, 3 to 305 ounces silver and 2 ounces gold per ton; one shaft 105 feet deep.

Mint of the Mount. Owned by the Topeka Mining and Tunnel Co.; office, Alpine; claim, 300 by 1500 feet; located Sept. 1875; situated in Baldwin gulch, Chalk Creek mining district, near town of Alpine, sixty miles from Leadville; vertical vein, trending north and south, width, 5 feet, pay vein, 4 feet; nature of ore, copper pyrites and galena, average value, 40 ounces silver per ton, and 24 per cent copper; two shafts 15 feet each; operated through Topeka tunnel.

Monte Christo. Owned by Samuel Morgan and Aden Alexander; claim, 200 by 1500 feet; situated on Carbonate hill, one mile from Leadville; development, two shafts, 30 and 45 feet respectively.

Morgan Placer. Owned by Louis Dugal, F. M. Case and Witter estate; claim comprises 76 acres of patented ground; situated on the Arkansas river, in town of Granite, twenty miles from Leadville.

Morning Star. Owned by John L. Routt, of Denver; claim, 202 by 1500 feet; located 1877; situated on Carbonate hill, California mining district, half mile from Leadville; course of vein, north and south, width, 4 feet, pay vein, 3 feet, pitch, east; nature of ore, carbonate of lead; development, one shaft 100 feet deep, and one drift, 200 feet in length; shaft house 20 by 30 feet.

Murphy, Mary. Owned by A. E. Wright, M. D., and the Kansas City mining and Smelting Co.; office, Alpine; claim, 300 by 1500 feet; situated on Pomeroy mountain, Chalk Creek mining district, sixty-six miles from Leadville; course of vein, northeast and southwest, width, 5 feet, pay vein, 4 feet, pitch 40° southeast; nature of ore, galena and carbonate of lead, average value, 75 ounces silver and 2 ounces gold per ton; two shafts, 40 feet deep each, two levels 25 feet in length respectively.

Murphy, Pat. Owned by A. E. Wright, M. D., and the Kansas City Mining and Smelting Co.; office, Alpine; claim, 300 by 1500 feet; situated on Pomeroy mountain, Chalk Creek mining district, seven miles southwest of town of Alpine and sixty-six miles from Leadville; course of vein, northeast and southwest, width, 5 feet, pay vein, 4 feet, pitch 40° southwest; nature of ore, galena and carbonate of lead, assay value, $50 to $150 per ton; one level, 30 feet in length and 25 feet from surface.

Nevada. Owned by T. D. Anthony, F. H. Foss and others; office, Leadville; claim, 300 by 1500 feet; located 1878; situated in Evans gulch, California mining district, two miles from Leadville; course of vein, north and south, width, 3 feet, pitch east; nature of ore, carbonate of lead, average value, 100 ounces silver per ton; one tunnel, 30 feet and one level, 20 feet in length.

New Discovery. Owned by Chaffee, Tabor & Co.; claim, 300 by 1500 feet; located 1878; situated in Stray Horse gulch, California mining district, half mile from Leadville; course of vein, north and south, width, 18 feet, pitch east; nature of ore, carbonate of lead, average value, $50 per ton; one shaft, 60 feet deep, aggregate length of drifts, 75 feet; yield, $30,000.

Nisi Prius. Owned by George E. and Stephen Pease; office, Leadville; claim, 300 by 1500 feet; located 1878; situated in Iowa gulch, California mining district; three miles from Leadville; course of vein, north and south, width, 10 feet, pitch east; nature of ore, carbonate of lead, assay value, 300 ounces silver per ton; main shaft, 60 feet and one other shaft 40 feet deep, three drifts aggregating 700 feet in length, three levels, 19, 30 and 35 feet from surface respectively, aggregating 250 feet in length.

Northern Light. John Maher and John Sweeney, proprietors; office, Alpine; claim, 300 by 1500 feet; located 1876; situated in Chalk Creek mining district, two miles from Alpine and sixty-one miles from Leadville; vertical vein, trending northeast and southwest, width, 8 feet, pay vein, 30 inches; nature of ore, galena, assay value, 100 ounces silver and 1½ ounces gold per ton; one adit, 10 feet in length with 10 foot face.

Norway Boy. Owned by Fletcher, Hughes & Russell; office, Alpine; claim, 300 by 1500 feet; located 1873; situated on Chrysolite mountain, Chalk Creek mining district, six miles from Alpine; vertical vein, trending north and south, width, 3 feet, pay vein, 15 inches; nature of ore, galena and iron pyrites, assay value, 200 ounces silver and 4 ounces gold per ton; one adit, 20 feet in length with 15 foot face.

O. K. Owned by Peter Finerty, William Smith, P. O. Day and Charles Donnelly; offices, Leadville and Denver, Colorado; claim, 300 by 1500 feet; located May, 1878; situated on Fryer hill, half mile from Leadville; development, two shafts, 80 and 130 feet respectively.

Oro. Owned by Daniel Trellinger, Peter Loye and John McDonald; office, Leadville; claim, 300 by 1500 feet; located 1877; situated on Iron hill, California mining district, two miles from Leadville; course of vein, north and south, pitch east; nature of ore, carbonate of lead; one shaft, 100 feet deep.

Oro-La Plata. Located on Carbonate hill, California mining district, one mile from limits of Leadville.

Oro Mining Ditch and Fluming Co., incorporated May 26, 1874; capital stock, $500,000, in 100,000 shares, $5 each; offices, Oro City, Colorado, and Chicago, Illinois; organized by William H. Stevens, Sullivan D. Breece, J. Marshall Paul and A. B. Wood; the property owned by this company comprises 225 acres of placer ground located in Pawnee, Georgia, Oregon and California gulches, near town of Leadville.

Pandora. Owned by Borden, Tabor & Co.; claim, 200 by 800 feet; located July, 1878; situated on Fryer hill, one mile from Leadville; developed by two shafts, 80 and 114 feet respectively.

Philadelphia and Boston Gold and Silver Mining Co., incorporated February 20, 1871; capital stock, $200,000, in 2,000 shares, $100 each; office, Philadelphia; organized by John Rodman Paul, Henry N. Paul and James Marshall Paul.

Pilot. Benjamin Bernard & Co., proprietors; office, Oro; claim, 50 by 300 feet; located, 1868; situated on Printer Boy hill, California mining district, three miles from Leadville; course of vein, north and south; nature of ore, free gold, average value, $65 per ton; one shaft, 50 feet deep, three drifts, 100 and 250 feet from surface, respectively, aggregating 1,350 feet in length; yield, $35,000.

Pine. Owned by the Argentine Mining Co.; office, Leadville; claim, 300 by 1500 feet, located 1876; situated in Stray Horse gulch, two miles from Leadville; course of vein, north and south, width 6 feet, pay vein, 5 feet, pitch, east; nature of ore, carbonate of lead, average value, 85 ounces silver per ton; three shafts, 20, 50 and 100 feet in depth, respectively; aggregate length of drifts, 200 feet; shaft house, 15 by 20 feet.

Pinnacle. Owned by the Meyer Mining Co.; A. R. Meyer, manager; office, Leadville; claim, 300 by 1500 feet, located 1876; situated on Stevens hill, two miles from Leadville; course of vein, north and south, width, 8 feet, pitch, east; nature of ore, carbonate of lead, average value, 15 ounces silver per ton; one shaft, 150 feet deep, aggregate length of drifts, 125 feet; shaft house, 18 by 25 feet.

Pittsburgh. Owned by John McCombe and others; office, Leadville; claim, 300 by 1500 feet, located 1878; situated in Stray Horse gulch, California mining district, one mile from Leadville; course of vein, north and south, width, 5 feet, pay vein, 42 inches, pitch, east; nature of ore, carbonate of lead, average value, 124 ounces silver per ton; one shaft, 135 feet deep.

Porphyry. Owned by J. F. and J. W. Dana and others; office, Leadville; claim, 300 by 1500 feet, located 1878; situated on Long's hill, California mining district, five miles from Leadville; course of vein, northeast and southwest, width, 7 feet, pay vein, 6 inches, pitch, east; nature of ore, oxide of iron, assay value, 20 ounces silver per ton; one shaft, 160 feet deep.

Printer Boy. Owned by estate of J. Marshall Paul; located in Oro mining district.

Quincy. Henry Brittenstein, proprietor; office, Alpine; claim, 300 by 1500 feet, located 1876; situated on Chrysolite mountain, Chalk Creek mining district, six miles from Alpine; vertical vein, trending north and south, width, 12 feet, pay vein, 4 feet; nature of ore, galena, assay value, 75 to 340 ounces silver per ton; one shaft, 40 feet deep.

Ranchero. Owned by the Small Hope Mining Pool; offices, Denver and Leadville, Colorado; claim, 220 by 1500 feet; situated in Stray Horse gulch, one mile from Leadville; value of ore, 46 to 700 ounces silver per ton; one shaft, 50 feet deep, two levels, 30 and 130 feet in length, respectively.

Ready Cash. Owned by Houx and Tucker; office, Leadville; claim, 300 by 1500 feet; located 1878; situated in Iowa gulch, California mining district, six miles from Leadville, vertical vein, trending northeast and southwest, width, 3 feet, pay vein, 10 inches; nature of ore, galena and sulphurets, average value, $567 per ton; one shaft, 15 feet deep, tunnel 85 feet, one level, 60 feet in length.

Result. Owned by the Small Hope Mining Pool; offices, Leadville and Denver, Colorado; claim, 300 by 1500 feet; situated in Stray Horse gulch, one mile from Leadville.

Riggins. Owned by the Kansas City Mining and Smelting Co.; office, Alpine; claim, 300 by 1500 feet; situated in Baldwin gulch, Chalk Creek mining district, four miles from the town of Alpine and sixty-three miles from Leadville; course of vein, 15° west of north and south of east; width, 5 feet, pay vein, 3 to 4 feet, pitch, 45° west; nature of ore, galena, sulphurets and carbonate of lead, value, 40 to 60 ounces silver per ton; main shaft, 140 feet deep, one drift 30 feet in length.

Rock. Owned by William H. Stevens and Levi Z. Leiter; claim, 300 by 1500 feet, patented; located on Carbonate hill, one mile from limits of Leadville.

Rough and Ready. Owned by the Meyer Mining Co., August R.

Meyer, supt.; located on Carbonate hill, half-mile from Leadville.

Routt. Owned by Peter Finerty and Mason B. Carpenter; office, Leadville and Denver, Colorado; claim, 300 by 1500 feet; located October, 1878; situated on Gallagher hill, one mile from Leadville; developed by two shafts, 80 and 100 feet, respectively.

Royal George. Owned by Joel Shackelford, Henry Burns, George Wilder and William Clark; offices, Leadville and Denver, Colorado; located in Big Evans gulch, two miles from Leadville; developed by a shaft 65 feet deep.

Savage. Owned by James M. Lynch; office, Leadville; claim, 300 by 1500 feet, patented; located 1877; situated in Iowa gulch, California mining district, five miles from Leadville; course of vein, northeast and southwest, width, 7 feet, pay vein, 4 feet, pitch 45° north; nature of ore, carbonate of lead and sulphurets of silver, value, 200 ounces silver per ton; development, one drift 50 feet in length and 45 feet in depth; yield, $450.

Senator. James M. Lynch, proprietor; office, Leadville; claim, 300 by 1300 feet; located 1878; situated on Green mountain, California mining district, four miles from Leadville; course of vein, north and south, width, 4 feet, pay vein, 32 inches, pitch 15°; nature of ore, galena and carbonate, assay value, 80 ounces silver per ton; one shaft, 18 feet deep, one level, 25 feet in length and 18 feet from surface.

Seventy-six. Owned by William H. Stevens and Levi Z. Leiter; located in California gulch, one mile from Leadville.

Shamrock. Owned by Thomas S. Wells, Albert Cooper and Nelson Hallock; office, Leadville; claim, 300 by 1500 feet, patented; located 1878; situated on Carbonate hill, California mining district, half mile from Leadville; course of vein, north and south, width, 8 feet, pay vein, 18 inches, pitch east; nature of ore, carbonate of lead, average value, 150 ounces silver per ton; one shaft, 35 feet deep, one level, 25 feet in length; yield, $3,200.

Sherman. Robert N. Scott, proprietor; office, Cleora; claim, 300 by 1500 feet; situated on South Arkansas river, seventy miles from Leadville; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 2 feet; nature of ore, gray copper and oxide of copper; two shafts, 25 feet each.

Shoo Fly. Owned by William Russell, William A. Fletcher and J. H. Hughes; office, Alpine; claim, 300 by 1500 feet; located 1873; situated on Chrysolite mountain, Chalk Creek mining district, six miles from Alpine and sixty-six miles from Leadville; vertical vein, trending north and south, width, 3 feet, pay vein, 5 inches; nature of ore, galena assay value, 250 to 350 ounces silver per ton; one adit, 20 feet in length, with 15-foot face.

Silver Wave. Andrew W. Gill & Co., proprietors; office, Leadville; claim, 270 by 1500 feet; located 1877; situated on Iron hill, California mining district, one mile and a half from Leadville; course of vein, north and south, width, 4 feet, pay vein, 2 feet, pitch, east; nature of ore, carbonate of lead, average value, 150 ounces silver per ton; two shafts, 43 and 75 feet, respectively; one drift, 100 feet in length; yield, $10,000.

Small Hope Mining Pool, W. H. Williams, M. D., M. H. Slater, J. F. Sanders, W. S. Williams, and others; offices, Leadville and Denver, Colorado; the mines owned by this company are the Ranchero, Robert Emmet, Forest City and Result, situated one mile from Leadville, in Stray Horse gulch.

Smoky Hill. James G. Gillespie and James Donaldson, proprietors; office, Leadville; claim, 300 by 1500 feet; located 1878; situated on Long's hill, California mining district, five miles from Leadville; course of vein, northeast and southwest, width, 2 feet, pay vein, 5 inches, pitch, 30° east; nature of ore, carbonate of lead, average value, 250 ounces silver per ton; one shaft, 45 feet deep.

Smuggler. Judson H. Dudley and George T. Clark, proprietors; office, Leadville; claim, 300 by 1500 feet; located 1877; situated on Iron hill, two miles from Leadville; course of vein, north and south, width, 4 feet, pay vein, 3 feet, pitch, east; nature of ore, carbonate of lead, average value, 140 ounces silver per ton; main shaft, 100 feet and one other shaft, 43 feet in depth, one level, 175 feet in length; shaft house, 15 by 30 feet.

Smuggler. Max Brookes and Robert Ray, proprietors; office, Alpine; claim, 300 by 1500 feet; situated in Poplar gulch, Chalk Creek mining district, three miles from Alpine and fifty-seven miles from Leadville, vertical vein, trending northeast and southwest, width, 12 feet, pay vein, 8 inches, nature of ore, galena, assay value, 60 to 300 ounces silver and 2½ ounces gold per ton; one drift, 40 feet in length, and 50 feet from surface.

Starr Placer. Owned by Thos. Starr and George S. Henderson; office, Leadville; claim, 100 by 1000 feet, patented; situated in town of Leadville.

Stevens and Leiter Placer. Owned by William H. Stevens and Levi Z. Leiter; located in town of Leadville.

Stone. Owned by William H. Stevens and Levi Z. Leiter; claim, 300 by 1500 feet; located on Carbonate hill, one mile from the limits of Leadville.

Stray Horse. Located in the southern portion of Fryer hill, one mile from Leadville.

St. Louis Smelting and Refining Co., organized under the laws of the State of Missouri, May 10, 1871; capital stock, $250,000 in 2500 shares, $100 each; Edwin Harrison, prest.

Sunday. Lucius Bradshaw and John Bergman, proprietors; office Leadville; claim, 300 by 1500 feet; located 1878; situated on Bald mountain, three miles from Leadville; vertical vein, trending north and south, width 4 feet; nature of ore, galena and oxide of iron, assay value, 50 ounces silver and 4 ounces gold per ton; main shaft, 65 feet deep, and two other shafts, aggregating 20 feet in depth.

Talisman. Owned by Lucius Bradshaw, Joseph Richards, and others; office, Leadville; claim, 300 by 1500 feet; located 1877; situated on Bald mountain, three miles from Leadville; course of vein, north and south, width 3 feet, pay vein, 30 inches, pitch

45° east; nature of ore, galena, gray copper and ruby silver, average value 520 ounces silver per ton; one shaft 16 feet deep, one drift 100 feet in length, and 46 feet from surface; yield $1000.

Terrible. Owned by the Adelaide Consolidated Silver Mining and Smelting Co.; offices, Leadville, Colorado, and Washington, D. C.; claim, 300 by 1500 feet; located 1877; situated in Stray Horse gulch, two miles from Leadville; course of vein, north and south, width, 5 feet, pitch east; nature of ore, carbonate of lead, average value, 19 ounces silver per ton; two shafts, 50 and 75 feet in depth respectively; one level 50 feet in length.

Thatcher Mining Co., incorporated March 12, 1879; capital stock $1,000,000 in 100,000 shares $10 each; offices, Leadville, Colorado, and Kansas City, Mo.; trustees, A. P. Fonda, Stephen D. Thatcher, George E. Stevens, James Gibson, James H. Ralston, E. J. Gump and W. H. Hurlbut.

Tilden. Owned by Charles A. Shanks, John S. Shanks, James Shumate and George Knox; office, Alpine; claim 300 by 1500 feet; located 1876; situated on Boulder mountain, Chalk Creek mining district, three miles from Alpine, and sixty-one miles from Leadville; course of vein, north and south, width, 9 feet; nature of ore, galena and native silver, average value of first-class ore 2,310 ounces and second class 290 ounces silver per ton; one shaft, 35 feet deep, one drift 65 feet in length.

Topeka Mining and Tunnel Co., incorporated June 26, 1877; capital stock $20,000 in 40 shares $500 each; office, Alpine; trustees, H. F. Brittenstein, George W. Knox and C. W. Angle.

Trio. Owned by Daniel Trellinger, Peter Loye and John McDonald; office, Leadville; claim, 300 by 1500 feet; located 1877; situated on Iron hill, two miles from Leadville; course of vein, north and south, pitch, east; nature of ore, carbonate of lead, one shaft, 30 feet deep.

Twin Lake Metallurgic Company, incorporated August 31, 1878; capital stock, $12,000, in 24 shares, $500 each; office, near Twin Lakes; trustees, T. C. Wetmore, J. C. Carrera and P. Suerreri.

Ute. Chrysolite Tunnel Co., proprietors; office, Alpine; claim, 300 by 1500 feet; located 1873; situated on Chrysolite mountain, Chalk Creek mining district, six miles from Alpine; course of vein, northeast and southwest, width, 5 feet, pay vein, 23 inches, pitch, 55° west; nature of ore, galena, assay value, 444 ounces silver per ton; one shaft 15 feet deep.

Virginia. Henry Brittenstein, proprietor; office, Alpine; claim, 300 by 1500 feet; located 1875; situated in Grizzly gulch, Chalk Creek mining district, six miles from Alpine, and sixty-five miles from Leadville; vertical vein, trending north and south, width, 4 feet, pay vein, 18 inches; nature of ore, galena, assay value, $675 to $23,820 per ton; two drifts, 20 and 45 feet in length respectively.

Vulture. Owned by Borden, Tabor & Co.; claim, 300 by 1500 feet; located in Stray Horse gulch, one mile from Leadville.

Washington Gulch Mining, Fluming and Ditching Co., incorporated March 16, 1870; capital stock, $2,000, in 200 shares, $10 each; organized by Lewis Hayden, William Kraft and J. H. Johnson.

Wells Placer. Owned by Thomas S. Wells and William Mayer; office, Oro City; claim comprises 190 acres of placer ground; situated in California gulch, in town of Oro City, three miles from Leadville; this property is worked by hydraulic pressure, and has a flume 700 feet in length; yield to date, $600,000.

Wilson, Jim. Chrysolite Tunnel Co., proprietors; office, Alpine; claim, 300 by 1500 feet; located 1877; situated on Chrysolite mountain, Chalk Creek mining district, six miles from Alpine; course of vein, northeast and southwest, width, 11 feet; nature of ore, galena.

Winnemuc. Owned by the Little Pittsburg Consolidated Mining Co., J. C. Wilson, manager; located on Fryer hill, one mile from Leadville.

Wolf Tone. Owned by Samuel Morgan and Aden Alexander; claim, 300 by 1500 feet; located 1876; situated on Carbonate hill, one mile from Leadville; value of ore, $250 per ton; development, five shafts, ranging in depth from 30 to 80 feet.

Wyman. Owned by Lucius Bradshaw and A. Niles, office, Leadville; claim, 300 by 1000 feet; located 1878; situated on Printer Boy hill; three miles from Leadville; course of vein, east and west, width, 2 feet, pitch, east; nature of ore, galena and sulphurets, assay value, 90 ounces silver per ton; three shafts, 26 feet each, two levels 30 and 50 feet in length respectively.

Yankee Boy. Owned by the Yankee Boy Mining Co., incorporated November 6, 1875, capital stock, $10,000, in 100 shares, $100 each; office, Colorado Springs; organized by J. D. McCloskey, E. N. Bartlett, A. J. Belcher, A. A. McGooney and Arthur Peck; claim, 300 by 1500 feet;located 1875;situated in Chalk Creek mining district, two miles from Alpine and sixty-one miles from Leadvile; horizontal vein, trending northeast and southwest, width, 8 feet, pay vein, 30 inches; nature of ore, galena, iron and copper pyrites, assay value, 40 to 75 ounces silver per ton; one shaft, 70 feet deep.

Yellow Jacket. Owned by Charles A. Shanks, John S. Shanks and John Gwinn, office, Alpine; claim, 300 by 1500 feet; located 1876; situated on Summit mountain, Chalk Creek mining district, three miles from Alpine and sixty-two miles from Leadville; vertical vein, trending northeast and southwest, width, 6 feet, pay vein, 15 inches; nature of ore, galena, assay value, 30 ounces silver and 9 ounces gold per ton; one drift, 90 feet in length and 70 feet from surface.

Young America. Owned by the Argentine Mining Co.; offices, Leadville, Colorado and St. Louis, Missouri; claim, 300 by 1500 feet; located 1876; situated in Stray Horse gulch, California mining district, one mile from Leadville; course of vein, north and south, width, 12 inches, pitch, east; nature of ore, carbonate of lead, value, 35 to 75 ounces silver per ton; one tunnel, 546 feet in length.

ORE MILLS.

Adelaide Consolidated Silver Mining and Smelting Co., incorporated May 31, 1878; capital stock, $2,500,000, in 100,000 shares, $25 each; offices, Washington, D. C., and Leadville, Colorado; trustees, John P. Jones, Jay A. Hubbell, Henry D. Cooke, John R. Magruder, James L. Hill, Woodbury Blair and William H. Barnard. The works are situated in Stray Horse gulch, two miles from Leadville and have a capacity for treating 30 tons of ore in 24 hours.

Berdell and Witherell's Sampling and Smelting Works; situated in California gulch, near limits of Leadville. These works have a capacity for treating 50 tons of ore in 24 hours. The main building is a frame 50 feet wide by 70 feet in length, containing an 80-horse power engine, Blake crusher, Cornish rollers, steam pump, etc.

Grant's Smelting Works. James and James B. Grant, proprietors; situated in town of Leadville; have a capacity for treating 50 tons of ore in 24 hours. The main building is a frame 72 feet wide by 100 feet in length, and contains a 25-horse power engine, Blake crusher, Cornish rollers, blower, etc.

Harrison Reduction Works, branch of St. Louis Smelting and Refining Co., Edwin Harrison, prest., A. V. Weise, supt. These works were erected 1877 and are situated within the corporate limits of Leadville; the building is a wooden structure 50 feet in width by 132 feet in length, and contains one calcining and two blast furnaces, two Baker blowers, Blake crusher, 50-horse power engine, and all other necessary machinery; have a capacity for treating 50 tons of ore in 24 hours.

Kansas City Mining and Smelting Co., incorporated March 7, 1876; capital stock, $100,000 in 1000 shares, $100 each; office, town of Alpine; organized by Benjamin L. Riggins, John A. J. Chapman and George Holmes. The works were commenced in 1874 by Riggins and Chapman, and completed the following year; they have a capacity for treating 10 tons of ore in 24 hours, are run by water power, and situated on Chalk Creek, near town of Alpine, 59 miles from Leadville. The main building is a frame, 70 feet wide, by 130 feet in length.

Lake County Sampling Co., incorporated May 4, 1878, capital stock, $6,000, in 60 shares, $100 each; office, Leadville; organized by Thomas Starr, James M. and W. F. Patrick.

Leadville Sampling Works. Eddy & James, proprietors; situated in Leadville; have a capacity for treating 80 tons of ore in 24 hours; the main building is a frame, 40 by 70 feet long.

Malta Smelting and Mining Co., incorporated February 1, 1876; capital stock, $125,000, in 250 shares, $500 each; office, Malta; organized by Henry G. Meyer, Rudolph Rheinboldt, Louis

Krohn, B. Bettman and J. Buss. The works of this company are situated in California gulch, in town of Malta, five miles from Leadville. They have a capacity for treating 10 tons of ore in 24 hours.

Meyer's Sampling Works. A. R. Meyer & Co., proprietors; these works consist of a group of buildings which cover one acre of ground, and contain a 50-horse power engine, Blake crusher, Cornish rollers, &c.; they are situated in city of Leadville, and have a capacity for treating 80 tons of ore in 24 hours.

LA PLATA COUNTY.

The area of this county is 4,095 square miles. It is bounded north by the counties of Ouray and San Juan, east by Hinsdale and Conejos, west by the territory of Utah and South by New Mexico. The population is 1,000 and the bullion product for 1878, $10,000.

Canary. Owned by William Reiley & Co., of Silverton; claim, 300 by 1500 feet; located 1878; situated on the Dolores river, Pioneer mining district; course of vein, north and south, width, 25 feet, pitch 10°, pay vein, 3 feet; nature of ore, carbonate of lead, assay value 40 ounces silver per ton; development, one drift 25 feet in length.

Capitol. Owned by W. A. Walker & Co., office Eureka; claim, 300 by 1500 feet, located 1878; situated on the Dolores river, Pioneer mining district, near Parrott City, vertical vein, trending east and west, width, 3 feet, pay vein, 2 feet; nature of ore, galena and carbonate, assay value 100 ounces silver per ton; one shaft, 100 feet deep.

Crown Jewel. John Back, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on the Dolores river, Pioneer mining district, near Parrott City; vertical vein, trending east and west, width, 6 feet; nature of ore, galena and carbonate, average value 60 ounces silver per ton; one adit, 18 feet in length and 14 feet from surface.

Denver and San Juan Mining Co., incorporated March 7, 1874; capital stock $50,000 in 20,000 shares, $25 each; office, Denver; organized by R. W. Woodbury, E. H. Powers, H. F. Tower, W. E. Broad, A. Huff, J. W. Kendall, and W. T. Flowers.

Gaynor. Owned by E. J. Gaynor and C. Hummel; office, Eureka; claim, 300 by 1500 feet; located 1878; situated on Dolores river, Pioneer mining district; course of vein, east and west, width, 40 feet, pay vein, 5 feet; nature of ore, carbonate of lead, assay value, 60 ounces silver per ton; main shaft, 25 feet deep.

Golden Valley. L. B. Clay, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Dolores river, Pioneer mining district, near town of Dolores; vertical vein, trending north and south, width, 9 feet; nature of ore, free gold, value, 14 ounces gold per ton; one adit, 10 feet in length and 10 feet from surface.

Hope. Owned by John J. Schall and A. Campbell; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on Telescope mountain, Pioneer mining district, sixteen miles from town of Ophir, and fourteen miles from Ouray; course of vein, northwest and southeast; nature of ore, carbonate of lead, assay value, 500 ounces silver per ton; one shaft, 12 feet deep, one tunnel, 25 feet in length.

I. X. L. Thomas Sappington, proprietor; office, Lake City; claim, 300 by 1500 feet; located 1877; situated on the Dolores river, Pioneer mining district, near Parrott City; vertical vein, trending east and west, width, 4 feet; nature of ore, galena and carbonate, value, 80 ounces silver per ton; one adit, 20 feet in length, and 18 feet from surface.

Juniata. U. Jackson, proprietor; office, Parrott City; claim, 300 by 1500 feet; located 1878; situated on the Dolores river, Pioneer mining district, near Parrott City; vertical vein, trending east and west, width, 20 feet, pay vein, 15 feet; nature of ore, carbonate of lead, average value, 30 ounces silver per ton; one adit, 20 feet in length and 15 feet from surface.

Major. Charles Humaston, proprietor; office, Eureka; claim, 300 by 1500 feet; located 1878; situated on the Dolores river, Pioneer mining district, sixteen miles from the town of Ophir and fourteen miles from Ouray; vertical vein, trending east and west, width, 10 feet, pay vein, one foot; nature of ore, carbonate of lead; value, 50 ounces silver per ton; one shaft, 12 feet deep.

Ocean Wave, Owned by Clabe and Charles Jones and John Glasgow; office, Animas Forks; claim, 300 by 1500 feet; located 1878; situated on the Dolores river, Pioneer mining district, near town of Dolores; vertical vein, trending east vnd west, width, 10 feet, pay vein, 6 feet; nature of ore, galena, assay value, $100 per ton; one drift, 20 feet in length and 25 feet from surface.

Raymond Placer. Owned by Alfred Raymond of Parrott City; claim, comprises 120 acres of placer ground; situated twelve miles from Parrott City on the Manicos river; has a flume 500 feet in length.

Rio Florida Coal Co., incorporated November 2, 1877; capital stock, $20,000 in 80 shares, $250 each; office, Lake City; trustees, William E. Taylor, James Hanrahan, A. M. Olds, John McWilliams, W. R. Montieth, E. C. Holmes, F. Fagaly and J. J. Rourk.

San Juan Silver Mining Co., incorporated May 17, 1875; capital stock, $500,000, in 500 shares,

$100 each; office, Titusville, Pa.; organized by Henry Harley, W. H. Wallace, J. G. Jackson, Thos. H. Larsen, J. A. Neill and William H. Abbott.

San Miguel Placer Mining Co., incorporated November 5, 1875; capital stock, $50,000, in 500 shares, $100 each; office, Howardsville, San Juan county; organized by William H. Nichols, Edward Jenniss, John H. French, William W. Conner and W. W. Remine, L. M. Remine, Willard M. Leonard, Luke Stanley, John R. Burrows, Thomas Davis and Andrew M. Bigger.

Silver Belt Mining Co., incorporated January 27, 1876; capital stock, $300,000, in 3,000 shares, $100 each; office, Denver; organized by Charles M. Parker, John H. Stimpson and Sylvester Cleveland.

Specie Payment. Owned by John Ray and William Clough & Co.; office, Lake City; claim, 300 by 800 feet; located 1878; situated on the Dolores river, near Parrott City; vertical vein, trending north and south, width, 5 feet, pay vein, 4 feet; nature of ore, carbonate and galena, average value, 60 ounces silver per ton; one adit 18 feet in length and 15 feet from surface.

Streater Gold and Silver Mining Co., incorporated March 7, 1876; capital stock, $200,000, in 20,000 shares, $10 each; offices, Parrott City and Denver, Colorado; organized by Levi Vincent, Edwin E. Williams, T. M. Tripp, J. H. Jones and Rudolph A. Leimer.

OURAY COUNTY.

The area of this county is 2,333 square miles. It is bounded north by Gunnison county, east by the counties of San Juan and Hinsdale, west by the territory of Utah, and south by La Plata county. The population is 1,000 and the bullion product for 1878, $124,125.

A. Owned by Ward, Snyder & Neumeyer; office, Ophir; claim, 300 by 1500 feet; located 1877; situated on Silver mountain, Iron Springs, mining district, near town of Ophir, twelve miles from Ouray; course of vein, northeast and southwest, width, 3 feet, pay vein, 18 inches; nature of ore, galena and free gold, average value $200 per ton; one adit, 20 feet in length.

Alexis. D. McKenzie, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1874; situated on Engineer mountain, Uncompahgre mining district, seven miles from town of Ouray; course of vein, east and west, width, 7 feet, pitch, 10°; nature of ore, iron and copper pyrites and galena, average value 40 ounces silver per ton; one drift, 40 feet in length, and 30 feet from surface.

Amazon. E. Thayer and J. Van Doren, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Bear creek, Uncompahgre mining district, four miles from Ouray; course of vein, north and south, width, 7 feet, pay vein, 15 inches, pitch 10°; nature of ore, galena and gray copper, assay value, 60 ounces silver per ton; one adit, 25 feet in length, with 12 foot face.

American Flag. Owned by A. F. Kreuss, J. Godin, and C. May; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Old Stony mountain, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending east and west, width 4 feet, pay vein, 22 inches; nature of ore, galena and ruby silver, assay value, 125 ounces silver per ton; one shaft, 20 feet deep.

Angelina. E. McCarty, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1876; situated on Mount Sneffels; nine miles from Ouray; course of vein, northwest and southeast, width, 4 feet, pitch, 20°; nature of ore, gray copper, value 100 ounces silver per ton; two adits, 20 and 25 feet in length respectively.

Apache. W. Parrott and C. S. Barker, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Red mountain, Uncompahgre mining district, three miles from Ouray; vertical vein, trending north and south, width, 28 inches; nature of ore, galena, copper and iron pyrites, assay value, 80 ounces silver per ton; one drift, 20 feet in length, and 15 feet from surface.

Atlantic. T. Resor & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Gold Run, Upper San Miguel mining district, nine miles from Ouray; vertical vein, trending north and south, width, 3 feet; nature of ore, gray copper, iron and copper pyrites, average value, 120 ounces silver per ton; one adit, 12 feet in length.

B. Owned by A. W. Neumeyer and J. B. Ward; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Iron Springs mining district, one mile from town of Ophir and twelve miles from Ouray; course of vein, northeast and southwest, width, 5 feet, pay vein, one foot, pitch, 30°; nature of ore, sulphurets and carbonate of silver; one adit, 14 feet in length and 10 feet from surface.

Banner. Owned by F. Herbst, N. H. Love and others; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Mount Hendricks, Mount Sneffels mining district, nine miles from Ouray; course of vein, northwest and southeast, width, 6 feet, pay vein, 18 inches; nature of ore, galena and gray copper, assay value, 200 ounces silver per ton; one drift, 20 feet in length and 18 feet from surface.

Battle Flag. D. McKenzie, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Red mountain, Uncompahgre mining district, six miles from Ouray; course of vein, northeast and southwest, width, 4 feet, pay vein, 20 inches, pitch, 25°; nature of ore, gray copper and iron pyrites, average value, 70 ounces silver per ton; one adit, 15 feet in length.

Bay State. George Peters and C. Brock, proprietors; office, Ouray; claim, 300 by 1200 feet; located 1877; situated on Buckeye mountain, Mount Sneffels mining district, eight miles from Ouray; course of vein, east and west, width, 4 feet, pay vein, 30 inches, pitch, 40°; nature of ore, gray copper and brittle silver, assay value, 200 ounces silver per ton; one drift, 15 feet in length, and 35 feet from surface.

Beaver. Owned by E. C. Abbott & Co.; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Bear creek, Uncompahgre mining district, four miles from Ouray; course of vein, northwest and southeast, width, 5 feet, pitch, 20°; nature of ore, gray copper, assay value, 300 ounces silver per ton; two shafts, 15 and 20 feet in depth, respectively.

Begole Mineral Farm. Owned by Norfolk and Ouray Mining and Smelting Co., M. S. Corbett, supt.; claim, 1050 by 1500 feet; patented; located 1875; situated on Cañom creek, two miles from Ouray; course of vein, northeast and southwest, width, 300 feet; nature of ore, galena and gray copper, value, 160 ounces silver per ton; development, two shafts, 20 feet each, eleven adits, 12 feet each; yield, $3,000.

Belle, Mary. James W. Platt

& Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1877; situated on Stony mountain, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending east and west, width, 4 feet, pay vein, one foot; nature of ore, gray copper; one adit 18 feet in length and 20 feet from surface.

Belle of the West. J. L. Haines and M. C. McCormick, proprietors; office, Silverton; claim, 300 by 1500 feet, located 1876; situated on Yellow mountain, Iron Springs mining district, one mile from town of Ophir, and twelve miles from Ouray; course of vein, northeast and southwest, width, 8 feet, pay vein, 3 feet, pitch, 20°; nature of ore, galena and gray copper, assay value, 150 ounces silver per ton; one adit 25 feet in length, with 25 foot face.

Belvidere. Owned by John McElroy, J. M. McCormick and others; claim comprises 100 acres of placer ground; situated on the San Miguel River, two miles from Placerville, and 25 miles from Ouray.

Betsey. Owned by F. Fodde & Co.; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Yellow mountain, Iron Springs mining district, one mile from town of Ophir, and thirteen miles from Ouray; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 15 inches; nature of ore, gray copper and galena; average value, 94 ounces silver per ton; one drift, 30 feet in length; intersected by the Pike county tunnel at a depth of 185 feet; yield, $750.

Big Bear. M. Phelps and J. Britton, proprietors; office, Silverton; claim, 300 by 1500 feet; lolocated 1878; situated on Gold Run, Upper San Miguel mining district, nine miles from Ouray; vertical vein, trending northeast and southwest, width, 6 feet, pay vein, 2 feet; nature of ore, galena and gray copper; one adit, 16 feet in length, with 12 foot face.

Big Casino. W. A. Walker & Co., proprietors; office, Upper San Miguel City; claim, 300 by 1500 feet, located 1878; situated on Gold Run, Upper San Miguel mining district, nine miles from Ouray; course of vein, northeast and southwest, width, 15 feet, pitch, 10°; nature of ore, gray copper and ruby silver, assay value, 1600 ounces silver per ton; one drift 30 feet in length, and 20 feet from surface.

Bismark. William Frazer, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1877; situated in Bear Creek basin, upper San Miguel mining district, fourteen miles from Ouray, vertical vein, trending north and south, width, 6 feet, pay vein 18 inches; nature of ore, gray copper and galena, average value 160 ounces silver per ton; one drift, 28 feet in length and 35 feet from surface; yield, $300.

Black Diamond. Owned by W. H. Lilley & Co.; office, Ouray; claim, 300 by 1500 feet; located 1876; situated in Sneffels basin, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending northwest and southeast, width, 12 feet pay vein, 4 feet; nature of ore, gray copper and ruby silver, average value, 70 ounces silver per ton; one shaft 40 feet deep, one drift 60 feet in length.

Black Prince. C. Andrews & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Uncompahgre creek, Uncompahgre mining district, four miles from Ouray; course of vein, east and west, width, 8 feet, pay vein, 30 inches, pitch, 30°; nature of ore, galena and gray copper, assay value, 100 ounces silver per ton; one shaft 13 feet deep.

Black and Brown Bear. R. E. Scott & Co., proprietors; office, Ophir; claim, 300 by 3000 feet; located 1878; situated on Silver mountain, Iron Springs mining district, five miles from Ophir, and sixteen miles from Ouray; vertical vein, trending north and south, width, 8 feet; nature of ore, gray copper and galena, assay value, 80 ounces silver per ton; one adit, 15 feet in length.

Black Swan. Owned by L. J. Rustin & Co., of Ouray; claim, 300 by 1500 feet; located 1876; situated on Uncompahgre creek, five miles from Ouray; course of vein, northeast and southwest, width, 10 feet; nature of ore, galena, assay value, 45 ounces silver per ton; one shaft, 12 feet and one tunnel twenty feet in length.

Blazer. Owned by A. W. Neumeyer and J. B. Ward; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Iron Springs mining district, one mile from town of Ophir, and twelve miles from Ouray; course of vein, northeast and southwest, width, 4 feet, pay vein, 8 inches, pitch, 30°; nature of ore, gray copper and galena; one adit, 15 feet in length.

Blue Grass. Owned by L. W. Tevis, M. D. Crow, and others; office, Ouray; claim, 300 by 1350 feet; located 1877; situated in Virginia basin, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 14 inches; nature of ore, galena and gray copper, assay value, 250 ounces silver per ton; two shafts, 14 and 40 feet respectively.

Blue Jacket. R. W. Moffett and W. Chandler, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Cline mountain, Uncompahgre mining district, three miles from Ouray; course of vein, northwest and southeast, width, 3 feet, pay vein, 14 inches, pitch, 20°; nature of ore, galena and gray copper; assay value, 68 ounces silver per ton; one drift, 20 feet in length, and 60 feet from surface.

Blue Lick. M. Phelps and J. Britton, proprietors; office, Silverton, claim, 300 by 1500 feet; located 1877; situated on Bear Creek, Uncompahgre mining district, four miles from Ouray; vertical vein, trending northeast and southwest, width, 10 feet, pay vein, 30 inches; nature of ore, galena and gray copper, assay value, 82 ounces silver per ton; one adit, 15 feet in length, with 12 foot face.

Bowling Green. Owned by L. B. Clay and Norfolk and Ouray Mining Co.; office, Ouray; claim, 300 by 1500 feet; located 1877; situated in Defiance gulch, Mount Sneffels mining district, nine miles from Ouray; course of vein, north and south, width, 7 feet, pay vein, 6 feet; nature of ore, gray copper, carbonate and galena, average value, 180 ounces silver per ton; two drifts, 30 and 60 feet in length respectively.

Buckeye Girl. Owned by Francis G. and J. H. King, Leonard C. Kilham and D. D. Mallory; office, Denver; claim, 300 by 1500 feet; located September 11, and recorded Oct. 30, 1875, situated on the east side of Buckeye mountain, one mile west of Imogene gulch, in Mount Sneffels mining district, eight miles from Ouray; vertical vein, trending northwest and southeast, width, 5 to 12 feet, pay vein, 6 to 20 inches; nature of ore, galena and gray copper, assay value, 20 to 500 ounces silver per ton; developed by a tunnel 30 feet and a surface opening 15 feet in length. This is the oldest of six other claims, located on this lode, it is easy of access, has a good water power, and the surrounding country is covered with timber. The mountain rises above the mine at an angle of about 40°, affording a fine opportunity to gain depth by drifting and tunneling.

Byron. Charles Thurmond, proprietor; office, Lake City; claim, 300 by 1500 feet; located 1877; situated on Engineer mountain, Uncompahgre mining district, eight miles from Ouray; vertical vein; trending northwest and southeast, width, 4 feet, pay vein, 10 inches; nature of ore, galena, assay value, 260 ounces silver per ton; two drifts 40 feet each.

Calaveras. Mullen & Gilchrist, proprietors; office, Silverton; claim, 300 by 1500 feet; located 1877; situated four miles from Upper San Miguel City, and fifteen miles from Ouray; vertical vein, trending east and west, width, 4 feet, pay vein, ten inches; nature of ore, gray copper, average value, 90 ounces silver per ton; one adit 22 feet in length and 12 feet from surface.

Cash. Owned by E. C. Abott; office, Ouray; claim, 300 by 1500 feet, located 1877; situated on Marshall creek, Upper San Miguel mining district, ten miles from Ouray; vertical vein, trending east and west, width, 23 feet; nature of ore, gray copper and galena, assay value, 2100 to 2240 ounces silver per ton; one tunnel 30 feet in length, intersecting vein at a depth of 35 feet, one level 40 feet in length.

Cash. Owned by R. E. Scott & Co.; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Upper San Miguel mining district, five miles from Miguel City and fourteen miles from Ouray; vertical vein, trending north and south, width, 5 feet, pay vein, 14 inches; nature of ore, galena, assay value, 75 ounces silver per ton; one adit 14 feet in length.

Colt. Owned by W. Weston & Co., of Ouray; claim, 300 by 1500 feet; located 1876; situated on Bear Creek, four miles from Ouray; course of vein, north and south, width, 10 feet; nature of ore, galena and gray copper, assay value, 60 to 185 ounces silver per ton; development, one adit 30 feet in length and 20 feet from surface.

Censor. Owned by J. Rinker & Co., of Ouray; claim, 300 by 1500 feet; located 1876; situated on Sneffels creek, eight miles from Ouray; course of vein, east and west, width, 6 feet, pay vein, 2 feet; nature of ore, galena and gray copper, assay value, 200 ounces silver per ton; development, one adit, 40 feet in length and 25 feet from surface.

Centuple. Owned by S. M. Ransom, W. Turner and C. A. Ward; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Bear mountain, Uncompahgre mining district, four miles from Ouray; vertical vein, trending northeast and southwest, width, 20 inches, pay vein, 14 inches; nature of ore, galena; one shaft 20 feet deep.

Chief Deposit and Caribou. Owned by Francis G. and J. H. King, Leonard C. Kilham and D. D. Mallory; office, Denver; claim, 300 by 2900 feet; the former mine was located September 15, and recorded October 30, 1875, the latter was located October 2, and recorded October 30, 1875; these claims join each other, are situated on the spur of Buckey mountain, between Imogene gulch and Silver creek, eight miles from Ouray; and in the center of the largest lode in the district, having every advantage for working and development. The vein is vertical, trends northwest and southeast, width, 8 to 16 feet, pay vein, 3 to 8 feet; nature of ore, gray copper, galena and sulphurets of iron and copper, assay value 50 to 1500 ounces silver per ton; development, two tunnels, 20 feet each and seven open cuts aggregating 130 feet in length, ranging from 9 to 20 feet in depth. This is a well defined true fissure vein and lies in a trachyte formation; it is located for a distance of over two miles, showing good ore wherever opened. The surface ground of these mines and the adjoining country is covered with timber, suitable for mining and other purposes and within 1000 feet of the Caribou is a good water power.

Cincinnati. Owned by Samuel Wing, E. L. Hess and others; office, Ouray; claim, 300 by 1500 feet; located 1877; situated in Defiance gulch, Mount Sneffels mining district, nine miles from Ouray; course of vein, northeast and southwest, width, 8 feet. pitch, 10°; nature of ore, gray copper and ruby silver, assay value, 340 ounces silver per ton; one shaft, 15 feet deep.

Circassian. Owned by Francis G. and J. H. King, Leonard C. Kilham and D. D .Mallory; office, Denver; claim, 300 by 1500 feet; discovered May 30, and recorded August 28, 1876; situated on Old Stony mountain,one mile up Mount Sneffels creek, eight miles from Ouray; vertical vein, trending east and west, width, 12 feet, pay vein, 4 feet; nature of ore, galena, gray copper, brittle silver, iron and copper pyrites and silver glance, assay value, 60 to 10,000 ounces silver per ton; development, a tunnel, 24 feet in length, which intersects the vein at a depth of 82 feet and an open cut 15 feet in length, with a 14 foot face. This property is easy of access, convenient to a fine water power; and the country surrounding it is covered with timber suitable for all purposes.

Cliff. John Billings & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Uncompahgre creek, Uncompahgre mining district, seven miles from Ouray; vertical vein, trending northwest and southeast, width, 3 feet, pay vein, 4 inches; nature of ore, galena, gray copper and iron pyrites, assay value, 240 ounces silver per ton; one drift, 28 feet in length and 40 feet from surface.

Cliff. Owned by L. Coplen & Co.; office, Lake City; claim, 300 by 1500 feet; located 1877; situated on Engineer mountain, Uncompahgre mining district, six miles from Ouray; vertical vein, trending north and south, width, 20 inches, pay vein, 9 inches; nature of ore, copper pyrites and galena, assay value, 140 to 700 ounces silver per ton; one drift, 40 feet in length and 25 feet from surface.

Climax. Albert Colvin and J. B. Craige, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Mount Abram, Uncompahgre mining district, seven miles from Ouray; course of vein, north and south, width, 10 feet, pitch, 10°; nature of ore, gray copper and brittle silver, average value, 100 ounces silver per ton, one adit, 25 feet in length, with 20 foot face.

Climax. Owned by A. Danforth, J. Russell and J. Coplen; office, Ouray; claim, 300 by 1500 feet; situated on Cline mountain, Uncompahgre mining district, five miles from Ouray: course of vein, north and south, width, 20 feet, pay vein, 6 feet, pitch, 10° east; nature of ore, gray copper and galena, average value, 50 ounces silver per ton; main shaft, 20 feet and one other shaft 15 feet deep.

Clipper. Owned by M. J. Alkire and John Meek; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Iron Springs mining district, one mile from town of Ophir and twelve miles from Ouray; course of vein, northeast and southwest, width, 5 feet, pay vein, 15 inches, pitch, 30°; nature of ore, free gold; one shaft, 20 feet deep, one adit 25 feet and one tunnel 25 feet in length.

Cloud Drift. Charles Hopkins and E. N. Groupe, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Cañon creek, Uncompahgre mining district, six miles from Ouray; vertical vein, trending northwest and southeast, width, 7 feet, pay vein, 15 inches; nature of ore, gray copper and galena, assay value, 400 ounces silver per ton; two adits, 12 and 15 feet in length respectively.

Comet. Owned by T. Terrill and M. Rush; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Upper San Miguel mining district, four miles from Miguel City and fifteen miles from Ouray; vertical vein, trending north and south, width, 5 feet, pay vein, 20 inches; nature of ore, gray copper and sulphurets, assay value, 200 ounces silver per ton; one shaft, 15 feet deep.

Commander. Owned by Henry Thomas and others; claim, 300 by 1500 feet; located 1877; situated on Eagle mountain, twelve miles from Ouray; course of vein, north and south, width, 20 inches, pitch, 15°; nature of ore, brittle silver and gray copper, assay value, 2,300 ounces silver per ton; development, one shaft, 25 feet deep.

Comstock. T. Shaw & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Cline mountain, Uncompahgre mining district, three miles from Ouray; vertical vein, trending north and south, width, 4 feet, pay vein, 18 inches; nature of ore, gray copper and galena, average value, 45 ounces silver per ton; one adit, 15 feet in length, with 10-foot face.

Continental. James Tolliver and G. Brown, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Cline mountain, Uncompahgre mining district, six miles from Ouray; course of vein, northeast and southwest, width, 5 feet, pay vein, 15 inches, pitch, 18°; nature of ore, gray copper and galena, assay value, 125 ounces silver per ton; two shafts, 10 and 16 feet, respectively.

Crescent. Charles Morris, proprietor; office, Ouray; claim, 300 by 750 feet; located 1876; situated on Bear creek, Uncompahgre mining district, two miles from Ouray; course of vein, north and south, width, 5 feet, pay vein, 23 inches, pitch, 15°; nature of ore, copper pyrites and galena, average value, 40 ounces silver per ton; one drift, 22 feet in length, and 18 feet from surface.

Creve Cour. Owned by F. Fodde, W. Bruner, F. B. Walton and H. Clark; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Yellow mountain, Iron Springs mining district, one mile from town of Ophir and twelve miles from Ouray; vertical vein, trending northeast and southwest, width, 8 feet, pay vein, 28 inches; nature of ore, gray copper and galena, assay value, 200 ounces silver per ton; main shaft, 25 feet deep, one adit, 10 feet in length.

Cumberland. F. Herbst & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Mount Hendricks, Mount Sneffels mining district, nine miles from Ouray; vertical vein; trending northwest and southeast, width 7 feet, pay vein, 18 inches; nature of ore, gray copper, ruby silver and galena, average value, 400 ounces silver per ton; one shaft, 20 feet deep.

Denver. Owned by M. W. Dresser and G. H. Smith; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Abraham mountain, Uncompahgre mining district, three miles from Ouray; vertical vein, trending northeast and southwest, width, 6 feet, pay vein, one foot; nature of ore, gray copper and galena, average value, 100 ounces silver per ton; one drift, 130 feet in length, and 100 feet from surface.

Dictator. Owned by Thomas Wallace and George Autric, of Ouray; claim, 300 by 1500 feet; located 1876; situated on Red mountain, three miles from Ouray; course of vein, north and south, width, 6 feet, pay vein, 15 inches; nature of ore, gray copper and galena, assay value, 175 ounces silver per ton; development, two drifts, 20 and 28 feet in length, respectively.

Dora. M. Hendricks and G. H. Martin, proprietors; office, Ophir; claim; 300 by 1500 feet; located 1878; situated on the Lake fork of the San Miguel river, Iron Springs mining district, two miles from town of Ophir and twelve miles from Ouray; vertical vein, trending east and west, width, 40 feet, pay vein, 6 inches; nature of ore, galena and ruby silver, assay value, 200 ounces silver per ton; one adit, 15 feet in length.

Dora. Owned by L. B. Clay & Co.; office, Ouray; claim, 300 by 1500 feet; located 1878; situated in Defiance gulch, Mount Sneffels mining district, nine miles from Ouray; course of vein, east and west, width, 6 feet, pay vein, 8 inches, pitch, 15°; nature of ore, gray copper and galena, assay value, $500 per ton; one drift, 30 feet in length, and 20 feet from surface.

Dutch Boy. R. B. Town & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Mount Sneffels, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending northwest and southeast, width, 5 feet, pay vein, 18 inches; nature of ore, ruby and brittle silver, assay value, 500 to 1500 ounces silver per ton; one tunnel 70 feet in length, intersecting vein at a depth of 45 feet, one level, 45 feet in length and 40 feet from surface.

Eclipse. M. P. Nutting and E. Brolaskie, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Engineer mountain, Uncompahgre mining district, seven miles from Ouray; vertical vein, trending northwest and southeast, width, 30 inches, pay vein, one foot; nature of ore, galena and gray copper, assay value, 500 ounces silver per ton; one tunnel, 20 feet in length.

El Dorado. Owned by James K. Reid & Bros.; office Miguel City; claim, 300 by 1500 feet; located 1877; situated on Marshall creek, Upper San Miguel mining district, fourteen miles from Ouray; course of vein, north and south, width, four feet, pay vein 30 inches, pitch, 20°; nature of ore, galena and gray copper, assay value, 600 ounces silver per ton; one adit, 20 feet in length, with 15 foot face.

Eldorado. William Shultz and J. W. Rinker, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Old Stony mountain, Uncompahgre mining district, nine miles from Ouray; course of vein, northwest and southeast; width, 7 feet, pay vein, 30 inches; nature of ore, ruby and brittle silver, average value, 640 ounces silver per ton; one drift, 75 feet in length, and 40 feet from surface; yield, $3,000.

Emma. O. W. Jameson and H. E. Volkman, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Mount Emma, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending east and west, width, 3 feet, pay vein, 2 feet; nature of ore, galena and gray copper; one adit, 20 feet in length, with 25 foot face.

E Pluribus Unum. Owned by Charles Hill, J. W. Mills & Co.; office, Howardsville; claim, 300 by 1500 feet; located 1877; situated on Silver mountain, Iron Springs mining district, one mile from town of Ophir, and twelve miles from Ouray; course of vein, northwest and southeast, width, 3 feet, pay vein, 18 inches, pitch, 15°; nature of ore, galena and sulphurets, average value, $50 per ton; one shaft 12 feet deep.

Etta. Owned Joseph C. Tevis & Bros., and M. Dolphin; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Bear mountain, Uncompahgre mining district, twelve miles from Ouray; course of vein, northeast and southwest, width, 4 feet, pay vein, 2 feet, pitch, 20°; nature of ore, galena and gray copper, average value, 160 ounces silver per ton; one tunnel, 12 feet in length intersecting vein at a depth of 25 feet, one level, 15 feet in length, and 25 feet from surface.

Eureka. Owned by M. McGuigan and G. Holt; office, Miguel City; claim, 300 by 1500 feet; located 1878; situated on the Upper San Miguel river, five miles from Miguel City and thirteen miles from Ouray; course of vein, north and south, width 8 feet, pay vein, 30 inches; nature of ore, gray copper and galena, assay value, 100 ounces silver per ton; one shaft, 14 feet deep.

Eureka. Charles Kirk, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on Yellow mountain Iron Springs mining district, two miles from town of Ophir and fourteen miles from Ouray; vertical vein, trending north and south, width, 30 inches, pay vein, 6 inches; nature of ore, gray copper, assay value, 300 ounces silver per ton; one adit 10 feet in length, with 10 foot face.

Exedos. Owned by G. W. Hight C. C. Gaines and O. Wright; office, Ophir; claim, 300 by 1500 feet; located 1877; situated on Silver mountain, Iron Spring mining district, near town of Ophir, twelve miles from Ouray; vertical vein, trending east and west, width, 22 inches pay vein, 14 inches; nature of ore, free gold, assay value, $2,500 per ton; one drift, 30 feet in length and 25 feet from surface.

Eyrie. M. Williams and C. C. Jorden, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Red mountain Uncompahgre mining district, five miles from Ouray; vertical vein, trending east and west, width, 10 feet; nature of ore, galena and copper pyrites, assay value, 80 ounces silver per ton; two shafts, 10 and 18 feet in depth respectively.

Fidelity. John Ray & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Mount Sneffels, Mount Sneffels mining district, nine miles from Ouray; course of vein, north, width, 30 inches, pay vein, 6 inches, pitch, 25°; nature of ore, gray copper and galena, assay value, 400 ounces silver per ton; one adit 25 feet in length, with 20 foot face.

Fire Fly. Owned by William Frazer & Co.; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Bear creek, Upper Miguel mining district, fourteen miles from Ouray; vertical vein, trending northwest and southeast, width, 3 feet, pay vein, 10 inches; nature of ore, gray copper and brittle silver, assay value, 1,000 ounces silver per ton; one tunnel, 30 feet in length, intersecting vein at a depth of 20 feet.

Flag. Owned by J. L. Arnold, J. M. Mulholland & Co.; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Yellow mountain, Iron Springs mining district, one mile from town of Ophir and twelve miles from Ouray; vertical vein, trending northwest and southeast, width, 2 feet, pay vein, 6 inches; nature of ore, gray copper and galena, average value, 80 ounces silver per ton; one drift 43 feet in length and 50 feet from surface.

Flagg. Owned by J. C. Resor and W. Mitchell; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on Turkey creek, Upper Miguel mining district, two miles from Miguel City, and fourteen miles from Ouray; vertical vein, trending northeast and southwest, width, 7 feet, pay vein, 15 inches; nature of ore, gray copper and galena; one shaft, 18 feet deep.

Flagstaff. Owned by W. R. Watson, W. Storey and J. H. Lester; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Bear Creek range, Uncompahgre mining district, four miles from Ouray; vertical vein, trending north and south, width; 16 feet, pay vein, 18 inches; nature of ore, gray copper and sulphurets, average value, 90 ounces silver per ton; one tunnel 30 feet in length, intersecting the vein at a depth of 25 feet, one level 15 feet in length.

Flagstaff. Owned by N. Peterson and E. McGinnis; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Stony mountain, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending north and south, width, 8 feet, pay vein, 20 inches; nature of ore, ruby and brittle silver; one drift 70 feet in length and 40 feet from surface.

Flagstaff. Owned by F. Herbst and William A. Clark; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Mount Hendricks, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending northwest and southeast, width, 7 feet, pay vein, 18 inches; nature of ore, galena and gray copper, average value, 250 ounces silver per ton; one drift, 25 feet in length and 18 feet from surface.

Free Gold. Owned by W. B. Fonda and F. Gardner & Co.; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Upper San Miguel mining district, three miles from Miguel City, and twelve miles from Ouray; course of vein, north and south, width, 3 feet, pay vein, 5 inches; nature of ore, free gold, assay value 22 ounces gold per ton; one shaft, 12 feet deep, one drift, 100 feet in length and 200 feet from surface.

Fulton. Owned by L. Sears and H. F. Shanks; office, Ophir; claim, 300 by 1500 feet; located 1877; situated on Silver mountain, Iron Springs mining district, one mile from town of Ophir, and twelve miles from Ouray; vertical vein, trending northeast and southwest, width, 10 feet, pay vein, one foot; nature of ore, gray copper and galena, assay value, 75 ounces silver per ton; one adit 12 feet in length, with 12 foot face.

Geneva. Owned by the Staatsburg Silver Mining Co.; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Iron Springs mining district, one mile from town of Ophir and twelve miles from Ouray; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 8 inches; nature of ore, galena, average value, 100 ounces silver per ton; one adit 20 feet in length, one level 50 feet, and 20 feet from surface; yield, $600.

Gold King. Owned by John and David A. Munn, and Joseph E. Lacome; office, Silverton; claim, 300 by 1500 feet; patented; located 1878; situated on Silver mountain, Iron Springs mining district, near town of Ophir, and twelve miles from Ouray; vertical vein, trending north and south, width, 6 feet, pay vein, 6 inches; nature of ore, free gold, average value, $2,000 per ton; one shaft 25 feet deep, one tunnel 200 feet in length, intersecting vein at a depth of 200 feet; yield, $5,000.

Gold Queen. Owned by B. B. Haddox, J. B. Laffoon and Munn Bros.; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Upper San Miguel mining district, two miles from town of Ophir, and twelve miles from Ouray; course of vein, north and south, width, 6 feet, pay vein, 6 inches; nature of ore, free gold, value, $1,200 per ton; one shaft 40 feet deep, one tunnel 40 feet in length, intersecting vein at a depth of 35 feet, one level 150 feet in length, and 35 feet from surface; yield, $5,000.

Golden Anchor Mining and Tunneling Co., incorporated April 15, 1878; capital stock, $250,000, in 2,500 shares, $100 each; office, Silverton; trustees, Dempsey Reese, Emile Charest, G. D. Gove, F. M. Mindenhall and H. W. Morrison.

Greenback. Owned by Philip Clark, of Silverton; claim, 300 by 1500 feet; located 1878; situated on Yellow mountain, Iron Springs mining district, two miles from town of Ophir, and fourteen miles from Ouray; vertical vein, trending east and west, width, 10 feet, pay vein, 20 inches; nature of ore, carbonate and sulphurets, assay value, 80 ounces silver per ton; one shaft 15 feet deep.

Greenback. Owned by M. J. Alkire, J. H. Sears and J. Meek; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Iron Springs mining district, one mile from town of Ophir and twelve miles from Ouray; vertical vein, trending northeast and southwest, width, 6 feet, pay vein, 20 inches; nature of ore, free gold; one drift, 80 feet in length and 75 feet from surface.

Grub Stake. W. Morgan and E. Van Pelt, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Bear Creek range, Uncompahgre mining district, four miles from Ouray; vertical vein, trending east and west, width, 7 feet, pay vein, 15 inches; nature of ore, galena and iron pyrites, assay value, 100 ounces silver per ton; two drifts aggregating 42 feet in length, 10 and 24 feet from surface respectively.

Grub Stake. Owned by M. W. Dresser and G. H. Smith; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on the Uncompahgre river, one mile from Ouray; vertical vein, trending north and south, width, 5 feet, pay vein, 20 inches; nature of ore, copper pyrites and galena, assay value, 100 ounces silver per ton; one adit, 30 feet, and one tunnel 50 feet in length.

Gramont. Owned by A. Peck, C. Peck and J. N. Rolfe; office, Ouray; claim, 300 by 1500 feet;

located 1877; situated on Bear creek, Uncompahgre mining district, five miles from Ouray; vertical vein, trending north and south, width, 4 feet, pay vein, 8 inches; nature of ore, gray copper and galena, assay value, 200 ounces silver per ton; one shaft, 20 feet deep.

Grand Era. Owned by W. R. Watson, W. Storey and J. H. Lester; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Bear Creek range, Uncompahgre mining district, four miles from Ouray; course of vein, northwest and southeast, width, 15 feet, pay vein, 2 feet, pitch, 25°; nature of ore, galena and iron pyrites; one drift, 15 feet in length and 15 feet from surface.

Grand View. Owned by Munn Bros.; office, Silverton; claim, 300 by 1500 feet; located 1875; situated on Silver mountain, Iron Springs mining district, thirty-five miles from Ouray; vertical vein, trending northeast and southwest, width, 8 feet; nature of ore, sulphurets and galena, average value, 200 ounces silver per ton; two shafts, 15 and 25 feet in depth respectively; yield, $2,000.

Hawkeye. A. K. Prescott & Co., proprietors; office, Del Norte; claim, 300 by 1500 feet; located 1877; situated on Mount Sneffels, Mount Sneffels mining district, eight miles from Ouray; course of vein, northeast and southwest, width, 3 feet, pay vein, 18 inches, pitch, 20°; nature of ore, ruby silver and gray copper; one adit, 20 feet in length.

Hercules. James O'Boyle and G. F. Cork, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Buckeye mountain, Mount Sneffels mining district, eight miles from Ouray; vertical vein, trending north and south, width, 30 inches; nature of ore, gray copper and ruby silver, assay value, 800 ounces silver per ton; one drift, 20 feet in length.

Hidden Treasure. Owned by George A. Brantley and Robert W. Bell; office, Ouray; claim, 300 by 1500 feet; located 1878; situated in Imogene basin, Mount Sneffels mining district, seven miles from Ouray; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, 4 feet; nature of ore, gray copper and galena, average value, 172 ounces silver per ton; one drift, 125 feet in length and 100 feet from surface; yield, $3,000.

Highland Boy. Owned by R. M. Mercer, H. Blake and others; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Red mountain, Uncompahgre mining district, three miles from Ouray; course of vein, northeast and southwest, width, 7 feet, pay vein, 2 feet, pitch, 25°; nature of ore, galena and gray copper, assay value, 200 ounces silver per ton; one shaft, 12 feet deep, one adit 15 feet in length.

Highland Chief. Owned by D. P. Quinn and A. W. Richardson; office, Denver; claim, 300 by 1500 feet; situated near the mouth of Silver creek, Mount Sneffels mining district, seven miles from Ouray; vertical vein, trending northwest and southeast, width, 3 to 4 feet, pay vein, 6 to 18 inches; nature of ore, gray copper and galena, assay value, 40 to 800 ounces silver per ton; developed by a tunnel 50 feet in length.

Highland Lassie. Owned by Francis G. and J. H. King, Leonard C. Kilham and D. D. Mallory; office, Denver; claim, 300 by 1500 feet; situated in Mount Sneffels mining district, seven miles southwest from Ouray; vertical vein, trending west 30° north, width, 3 feet, pay vein, 2 feet; nature of ore, gray copper, galena, iron and copper pyrites, average value, 20 to 1000 ounces silver per ton; developed by a tunnel, 15 feet and an open cut, 20 feet in length. This lode is located for over one mile in length, and is one of the most promising in the district; the surface is covered with timber suitable for all purposes and beside it is a good water power sufficient to run an air-compressor or other machinery.

Hill, Charlotte. Owned by S. M. Ransom, W. Turner and C. A. Ward; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Bear mountain, Uncompahgre mining district, four miles from Ouray; course of vein, northeast and southwest, width, 2 feet, pay vein, 18 inches; nature of ore, galena and gray copper, assay value, 36 ounces silver per ton; two adits, 15 feet each.

Hindoo. Owned by W. B. Fonda, David A. Munn and E. L. Crim; office, Ophir; claim, 300 by 230 feet; located 1877; situated in Silver mountain, Iron Springs mining district, two miles from town of Ophir and thirteen miles from Ouray; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, one foot; nature of ore, galena and sulphurets, average value, 194 ounces silver per ton; one shaft, 15 feet deep.

Home Stake. Owned by J. Resor, R. C. King and others; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Gold run, Upper San Miguel mining district, nine miles from Ouray; course of vein, north and south, width, 8 feet, pay vein, 2 feet, pitch, 15°; nature of ore, gray copper and ruby silver, assay value, 250 ounces silver per ton; one adit, 12 feet in length.

Home Stake. Charles Johnson, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Uncompahgre creek, Uncompahgre mining district, four miles from Ouray; course of vein, northwest and southeast, width, 8 feet, pay vein, 3 feet, pitch, 15°; nature of ore, galena and sulphurets, assay value, 90 ounces silver per ton; one adit, 15 feet in length, with 12-foot face.

Hoosier Boy. George W. Spencer and Adam Beidle, proprietors; claim, 300 by 1500 feet; located 1878; situated in Imogene basin, Mount Sneffels mining district, seven miles from Ouray; course of vein, northwest and southeast, width, 3 feet, pay vein, one foot, pitch; 10°; nature of ore, gray copper and galena, assay value, 800 ounces silver per ton; one shaft, 10 feet deep.

Hoosier Girl. George W. Spencer, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1875; situated in Imogene basin, Mount Sneffels mining district; seven miles from Ouray; course of vein, northwest and southeast, width, 3 feet, pay vein, one foot, pitch, 10°; nature of ore, gray copper and galena, assay value, 263 ounces silver per ton; one shaft

12 feet deep, one drift, 100 feet in length; yield, $500.

Hornet. Joseph C. Tevis and Bros., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1875; situated in Imogene basin, Mount Sneffels mining district, eight miles from Ouray; vertical vein, trending northwest and southeast, width, 18 inches, pay vein, 15 inches; nature of ore, galena, gray copper and brittle silver, average value, 285 ounces silver per ton; two adits, 12 and 15 feet, in length, respectively.

Hudson. Owned by M. Crane, J. C. Bartlett and others; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Cline mountain, Uncompahgre mining district, six miles from Ouray; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 3 feet; nature of ore, galena and gray copper, assay value, 25 to 200 ounces silver per ton; one shaft, 20 feet deep, one adit, 15 feet in length.

Ida. J. L. Haines and H. O. Wing, proprietors; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Iron Springs mining district, one mile from town of Ophir, and twelve miles from Ouray; course of vein, northeast and southwest, width, 3 feet, pay vein, one foot, pitch, 30°; nature of ore, gray copper and iron pyrites, assay value, 200 ounces silver per ton; two shafts, 10 and 25 feet in depth, respectively.

Idaho. Owned by L. Sears and M. McCormick; office, Ophir; claim, 300 by 1500 feet; located 1876; situated on Yellow mountain, Iron Springs mining district, near town of Ophir; twelve miles from Ouray; vertical vein, trending east and west, width, 5 feet; nature of ore, gray copper and galena; two adits, 12 and 15 feet from surface, respectively, aggregating 40 feet in length.

Imogene. Owned by Francis G. and J. H. King, Leonard C. Kilham and D. D. Mallory; office, Denver; claim, 300 by 1500 feet; located Sept. 13, and recorded Sept. 30, 1878; situated on the southeast side of Buckeye mountain, 1800 feet west of Imogene gulch, in Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending northwest and southeast, width, 4 feet, pay vein, one to 4 inches; nature of ore, galena, gray copper, iron and copper pyrites, assay value, 56 to 1,378 ounces silver per ton; developed by a tunnel 103 feet in length, which intersects the vein at a depth of 60 feet; about 250 yards distant from the mine is a comfortable cabin, which, with the development on the property, cost $2,200. The mine is surrounded by timber and has a good water-power. It was worked during the winters of 1875 and 1876, the altitude is 10,500 feet above the level of the sea, and the thermometer ranged from 8° below to 30° above zero.

Inca. M. P. Nutting & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Engineer mountain, Uncompahgre mining district, seven miles from Ouray; course of vein, northwest and southeast, width, 8 feet, pitch, 10°; nature of ore, galena and gray copper, assay value, 260 ounces silver per ton; two drifts, 20 and 22 feet in length, respectively.

Inter-Ocean. Ernest Galt and Charles B. Frye, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Poughkeepsie mountain, Uncompahgre mining district, five miles from Ouray; course of vein, north and south, width, 7 feet, pay vein, 15 inches, pitch, 10°; nature of ore, galena and copper pyrites, assay value, 150 ounces silver per ton; one drift, 28 feet in length.

Inverness. John Billings, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1876; situated 1876; situated on Mount Abram, Uncompahgre mining district, six miles from Ouray; course of vein, northeast and southwest, width, 10 feet, pitch, 30°; nature of ore, gray copper and brittle silver, assay value, 1500 ounces silver per ton; one shaft, 21 feet deep.

Iowa. J. W. Patterson and R. Kerns, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Bear creek, Uncompahgre mining district, four miles from Ouray; course of vein, northwest and southeast, width, 8 feet, pay vein, 2 feet, pitch, 25°; nature of ore, galena and gray copper, assay value, 90 ounces silver per ton; one shaft, 7 feet deep, one adit, 12 feet in length, with 10-foot face.

Iron Sides. D. Durfee and J. R. Rounds, proprietors; office, Ophir; claim, 300 by 1500 feet; located 1877; situated on Silver mountain, Iron Springs mining district, two miles from town of Ophir, and twelve miles from Ouray; course of vein, east and west, width, 20 feet, pitch, 15°; nature of ore, gray copper and galena, assay value, 300 ounces silver per ton; one shaft, 4 feet deep.

Irving. J. B. Andrews and E. B. Cope, proprietors; office, Ouray; claim, 300 by 500 feet; located 1877; situated on Treasure hill, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending northwest and southeast, width, 6 feet; nature of ore, gray copper, assay value, 160 ounces silver per ton; one adit, 30 feet in length.

Josephine. Owned by W. Ingersoll and J. C. Rankin; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Uncompahgre creek, Uncompahgre mining district, five miles from Ouray; course of vein, north and south, width, 24 feet, pay vein, 3 feet, pitch, 25°; nature of ore, galena, zinc, copper and iron pyrites, assay value, 160 ounces silver per ton; one tunnel, 20 feet in length which interests the vein 25 feet from the surface.

Junction. Owned by M. N. Funk & Co.; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Hardin mountain, Uncompahgre mining district, three miles from Ouray; vertical vein, trending northwest and southeast, width, 8 feet, pay vein, 5 feet, nature of ore, gray copper and galena, assay value, 40 to 800 ounces silver per ton; one adit, 20 feet in length, with 25 foot face.

Kenrick, S. B. Owned by J. A. Beattie and A. A. Klingensmith; office, Ophir; claim, 300 by 1500 feet; located 1877; situated on Horn mountain, Iron Springs mining district, four miles from town of Ophir, and twelve miles from Ouray; vertical vein, trending northeast and southwest, width, 6 feet, pay vein, 18 inches; nature of ore, gray copper and sulphurets, average value, 106 ounces silver, per ton, one tunnel 25 feet in length, intersecting vein at a depth of 25 feet; yield, $400.

Kentucky Belle. Andrew Cumtons, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Uncompahgre creek, Uncompahgre mining district, five miles from Ouray, course of vein, northeast and southwest, width, 20 feet, pitch, 15°; nature of ore, galena, assay value, 80 ounces silver per ton; one shaft 14 feet deep, one adit 20 feet in length, with 16 foot face.

Kentucky Giant. Owned by G. Purcells, J. A. White and P. Cusick; office, Ouray; claim, 300 by 1350 feet; located 1875; situated on Abraham mountain, Uncompahgre mining district, six miles from town of Ouray; course of vein, northeast and southwest, width, 12 feet, pay vein, 4 feet, pitch, 10°; nature of ore, brittle silver and Iron pyrites, average value, 65 ounces silver per ton; one shaft, 70 feet deep, two adits 12 and 18 feet in length respectively.

Keystone Placer. Situated on the north fork of the San Miguel river, three miles from town of San Miguel, and 23 miles from Silverton; comprises 60 acres of ground, worked by hydraulic pressure, has a flume 2,600 feet in length.

King of the Mountain. Owned by J. F. Robison and G. C. Horner; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Silver mountain, Iron Springs mining district, near town of Ophir, twelve miles from Ouray; course of vein, north and south, width, 2 feet, pay vein, one foot, pitch, 20° southeast; nature of ore, free gold, average value, $40 per ton; one drift, 25 feet feet in length and 18 feet from surface.

Lamar. Owned by L. B. Clay & Co.; office, Ouray; claim, 300 by 15 feet; located 1878; situated in Defiance gulch, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending north and south, width, 20 feet, pay vein, 2 feet; nature of ore, gray copper and galena; one drift, 30 feet in length and 30 feet from surface.

Last Chance. E. Morton, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Bear creek, Uncompahgre mining district, four miles from Ouray; vertical vein, trending north and south, width, 5 feet, pay vein, 15 inches; nature of ore, galena and gray copper, average value, 80 ounces silver per ton; one shaft 20 feet deep.

Lawrence. Owned by J. L. Arnold, J. M. Mulholland & Co.; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Iron Springs mining district, one mile from town of Ophir, and twelve miles from Ouray; course of vein, northeast and southwest, width, 7 inches, pitch, 20°; nature of ore, gray copper and galena; value, 18 ounces silver and 2 ounces gold per ton; one tunnel 20 feet in length.

Lincoln Boy. Owned by G. W. Strouse and S. S. Austin; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on

Abraham mountain, Uncompahgre mining district, six miles from Ouray; course of vein, northeast and southwest, width, 6 feet, pay vein, 2 feet, pitch, 20°; nature of ore, iron pyrites, gray copper and antimony, assay value, 100 ounces silver per ton; one shaft 22 feet deep, one adit 12 feet in length and 12 feet from surface; shaft house, 14 by 14 feet.

Little Nellie. Owned by J. F. Robison and G. C. Horner; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Silver mountain, Iron Springs mining district, one mile from town of Ophir and twelve miles from Ouray; vertical vein, trending north and south, width, 6 inches, pay vein, 6 inches; nature of ore, gray copper and brittle silver, average value, 15 ounces silver per ton; one drift, 24 feet in length, and 16 feet from surface.

Little Robbie. Owned by William M. Friend & Co.; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Ruby mountain, Mount Sneffels mining district, seven miles from Ouray; course of vein, northeast and southwest, width, 12 feet; pitch, 40°; nature of ore, gray copper and galena, assay value, 260 ounces silver per ton; two adits, aggregating 40 feet in length, one drift, 30 feet in length and 30 feet from surface.

Lone Star. Owned by Terrill & Co.; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Turkey creek, San Miguel mining district, three miles from Miguel City and fourteen miles from Ouray; course of vein, northwest and southeast, width, 3 feet, pay vein, 10 inches, pitch, 20°; nature of ore, copper pyrites and gray copper, assay value, 150 ounces silver per ton; one adit, 10 feet in length, with, 10-foot face.

Lookout. R. W. Moffat, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Cañon creek, Uncompahgre mining district, near Ouray; course of vein, northwest and southeast, width, 40 feet, pitch, 15°; nature of ore, galena, brittle silver and gray copper, assay value, 500 ounces silver per ton; one adit, 20 feet in length, with 15-foot face.

Lookout. George Thomas, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Engineer mountain, Uncompahgre mining district, seven miles from Ouray; vertical vein, trending northeast and southwest, width, 15 feet, pay vein, 3 feet; nature of ore, galena and iron pyrites, assay value, 100 ounces silver per ton; one adit, 20 feet in length, with 20-foot face.

Lookout. A. Clare, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Bear creek; Uncompahgre mining district, four miles from Ouray; vertical vein, trending east and west, width, 7 feet, pay vein, 2 feet; nature of ore, gray copper and galena, assay value, 135 ounces silver per ton; one adit, 15 feet in length and 12 feet from surface.

Louisiana. C. Coogan and G. O. Roberts, proprietors; office, Ouray; claim, 300 by 1500 feet; located, 1876; situated on Treasure hill, Mount Sneffels mining district, nine miles from Ouray; course of vein, northwest and southeast, width, 50 feet, pay vein, 2 feet; pitch, 30°; nature of ore, galena, ruby and brittle silver, assay value, 100 to 400 ounces silver per ton; three shafts, aggregating 130 feet in depth.

Mack. Owned by M. McCormick & Co.; office, Ophir; claim, 300 by 1500 feet; located 1876; situated on Yellow mountain, Iron Springs mining district, three miles from town of Ophir and fourteen miles from Ouray; course of vein, east and west, width, 15 feet, pay vein, 3 feet; nature of ore, iron pyrites and gray copper, assay value, 260 ounces silver per ton; one drift, 45 feet in length and 30 feet from surface.

Magnet. Owned by William Frazer & Co.; office, Ouray; claim, 300 by 1500 feet; located 1877; situated in Bear Creek basin, Upper San Miguel mining district, fourteen miles from Ouray; course of vein, north and south, width, 10 feet, pitch, 10°; nature of ore, gray copper, assay value, 260 ounces silver per ton; one tunnel, 80 feet in length.

Magnolia. Owned by Clark, Sears & Co.; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Yellow mountain, Iron Springs mining district, one mile from town of Ophir and twelve miles from Ouray; vertivein, trending east and west, width, 15 feet, pay vein, 3 feet; nature of ore, gray copper and galena, assay value, 200 ounces silver per ton; two drifts, 27 and 40 feet in length respectively.

Malta. C. Germansen and George Wood, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Red mountain, Uncompahgre mining district, five miles from Ouray; course of vein, northeast and southwest, width, 12 feet, pitch, 15°; nature of ore, gray copper and brittle silver, average value, 200 ounces silver per ton; one tunnel, 25 feet and one adit 15 feet in length.

Mary. Owned by Harry Diehl and G. Mish; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Iron Springs mining district, near town of Ophir, twelve miles from Ouray; course of vein, northeast and southwest, width, 2 feet, pay vein, one foot; nature of ore, free gold, assay value, 100 ounces gold per ton; one adit, 25 feet in length, with 20 foot face.

Mary Jane. J. C. Anderson & Bro., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Uncompahgre creek, Uncompahgre mining district, seven miles from Ouray; course of vein, north and south, width, 12 feet, pay vein, 3 feet, pitch, 16°; nature of ore, galena and gray copper, assay value, 80 ounces silver per ton; one shaft, 15 feet deep, one drift, 35 feet in length.

Mary Jane. Owned by J. C. Case and William Mercer; office, Upper San Miguel City; claim, 300 by 1500 feet; located 1878; situated on Gold run, Upper San Miguel mining district, nine miles from Ouray; course of vein, north and south, width, 2 feet, pay vein, 6 inches, pitch, 15°; nature of ore, gray copper, average value, 50 ounces silver per ton; one shaft, 12 feet deep.

Melissa. J. P. Barrows and Co., proprietors; office, Ouray;

claim, 300 by 1500 feet, located 1878; situated on Cañon creek, Uncompahgre mining district, near town of Ouray; course of vein, northeast and southwest, width, 20 feet, pitch, 15°; nature of ore, galena and gray copper; one adit, 15 feet in length, with 11 foot face.

Mineral Farm. Owned by Norfolk and Ouray Mining Co., M. S. Corbett, supt.; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Cañon creek, Uncompahgre mining district, three miles from Ouray; course of vein, north and south, width, 3 feet, pay vein, 16 inches; nature of ore, iron pyrites, gray copper and galena, assay value, 300 ounces silver per ton; one drift 30 feet, and 20 feet from surface.

Minnie. Owned by Theodore & Clark, of Ouray; claim, 300 by 1500 feet; located 1876; situated in Uncompahgre cañon, six miles from Ouray; course of vein, northeast and southwest, width, 12 feet, pay vein, one foot; nature of ore, gray copper, assay value, $438 per ton; development, one drift 80 feet deep.

Minnie. H. Dunton & Co., proprietors; claim, 300 by 1500 feet; located 1875; situated on Mineral Point mountain, Uncompahgre mining district, six miles from Ouray; vertical vein, trending northeast and southwest, width, 5 feet; nature of ore, galena, sulphurets and gray copper, assay value, 900 ounces silver per ton; one adit, 40 feet in length, with 20 foot face.

Mishawaka. Owned by S. J. Dickey, W. H. Rogers and A. Hill, of Colorado Springs; claim, 300 by 1500 feet; situated on Engineer mountain, Uncompahgre mining district, seven miles from town of Ouray; course of vein, northeast and southwest, width, 8 feet, pitch, 45° northeast, pay vein, 14 inches; nature of ore, gray copper and copper pyrites, average value, 100 ounces silver per ton; one drift 100 feet in length.

Mocking Bird. Owned by M. W. Johnson; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Yellow mountain, one mile from town of Ophir, and twelve miles from Ouray; course of vein, northeast and southwest, width, 4 feet, pay vein, 18 inches; nature of ore, gray copper and galena, assay value, 160 ounces silver per ton; one shaft, 15 feet deep.

Mogul. James West & Son, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Turkey creek, twelve miles from Ouray; course of vein, north and south, width, 4 feet, pitch, 10°; nature of ore, gray copper and brittle silver, assay value, 410 ounces silver per ton, two shafts, 19 and 24 feet in depth respectively.

Mohave. William Rayner and N. J. Lee, proprietors; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, twelve miles from Ouray; vertical vein, trending northeast and southwest, width, 8 feet, pay vein, 18 inches; nature of ore, bismuth and native silver, assay value, 100 to 2,400 ounces silver per ton, one shaft, 16 feet deep.

Mohawk. Owned by E. McCarty & Co.; office, Silverton; claim, 300 by 1500 feet; located

1876; situated on Treasure hill, Mount Sneffels mining district, nine miles from Ouray; course of vein, northwest and southeast, width, 4 feet, pay vein, 3 feet, pitch, 20°; nature of ore, gray copper, assay value, 126 ounces silver per ton; one shaft, 10 feet deep, one adit, 30 feet in length.

Monument. J. P. Barrows & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated in Imogene basin, Mount Sneffels mining district, seven miles from Ouray; course of vein, northwest and southeast, width, 9 feet, pay vein, 4 feet, pitch, 30°; nature of ore, galena and gray copper, assay value, 50 to 200 ounces silver per ton, one drift, 20 feet in length, and 20 feet from surface.

Monument. R. Cusick, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Old Stony mountain, Mount Sneffels mining district, eight miles from Ouray; vertical vein, trending east and west, width, 4 feet, pay vein, 10 inches; nature of ore, gray copper and ruby silver, assay value, 150 ounces silver per ton, two adits, 12 feet each.

Monitor. Owned by Harry Diehl & Co.; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Iron Springs mining district, near town of Ophir, twelve miles from Ouray; course of vein, northeast and southwest, width, 2 feet, pay vein, 10 inches; nature of ore, galena and gray copper, assay value, 100 ounces silver per ton; one drift, 25 feet in length and 15 feet from surface.

Montezuma. Owned by M. Rich, Harry Beattie and A. Y. Davis; office, Ophir; claim, 300 by 1500 feet; located 1878; situated at the Howard fork of the San Miguel, near town of Ophir; fifteen miles from Silverton; vertical vein, trending east and west, width, 5 feet, pay vein, 8 inches; nature of ore, gray copper and galena, average value, 135 ounces silver per ton; one shaft, 26 feet deep; yield, $800.

Monticello. Owned by G. W. Hight and O. Wright; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Iron Springs mining district, near town of Ophir, twelve miles from Ouray; vertical vein, trending northeast and southwest, width, 30 inches, pay vein, 3 inches; nature of ore, free gold, assay value, $1,800 per ton; one shaft, 10 feet deep, two adits, 10 and 40 feet in length, respectively.

Morris, Charles. Charles Morris, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Uncompahgre creek, Uncompahgre mining district; vertical vein, trending northwest and southeast, width, 6 feet, pay vein, 18 inches; nature of ore, galena, average value, 25 ounces silver per ton, one drift, 20 feet in length, and 150 feet from surface.

Mountain Ram. Charles Josephs & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Engineer mountain, Uncompahgre mining district, seven miles from town of Ouray; vertical vein, trending east and west, width, 10 feet, pay vein, 5 feet; nature of ore, galena and gray copper, assay value, 80 ounces silver per ton; one adit, 30 feet in length, with 22-foot face.

Myrtle. Owned by N. J. Downer, M. D. Cooper, P. Brown and G. R. Porter; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Ruby mountain, Mount Sneffels mining district, seven miles from Ouray; course of vein, northeast and southwest, width, 6 feet, pay vein, 18 inches, pitch, 15°; nature of ore, sulphurets, assay value, 1100 ounces silver per ton; one drift, 60 feet in length, and 20 feet from surface.

Nashville. Owned by Herbst, Love & Co.; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Mount Hendricks, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending northwest and southeast, width, 7 feet, pay vein, 18 inches; nature of ore, galena and ruby silver, assay value, 300 ounces silver per ton; one drift 35 feet in length and 25 feet from surface.

Neptune. N. J. Downer and S. H. Day, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Potosi mountain, Mount Sneffels mining district, seven miles from Ouray; vertical vein, trending northwest and southeast, width, 4 feet, pay vein, 22 inches; nature of ore, galena and gray copper, assay value, 250 ounces silver per ton; one adit, 30 feet in length, one shaft 30 feet deep.

New Castle. Owned by E. Henry and N. C. Taylor, of Ouray; claim, 300 by 1500 feet; located 1876; situated on Poughkeepsie creek, three miles from Ouray; course of vein, north and south, width, 6 feet, pay vein, 20 inches; nature of ore, gray copper and galena, assay value, 90 ounces silver per ton; development, one drift 40 feet in length.

New Castle. Thomas Carleton, proprietor; office, Upper San Miguel City; claim, 300 by 1500 feet; located 1878; situated on Marshall mountain, Upper San Miguel mining district, nine miles from Ouray; vertical vein, trending east and west; width, 3 feet, pay vein, 5 inches; nature of ore, gray copper and ruby silver, assay value, 1000 ounces silver per ton; one drift, 30 feet in length.

Nimbus. Owned by George Hughes, L. Clark and others; office, Upper San Miguel City; claim, 300 by 1500 feet, located 1878; situated in Upper San Miguel mining district, sixteen miles from Ouray; course of vein, northeast and southwest, width, 4 feet, pay vein, 20 inches, pitch, 10°; nature of ore, gray copper and ruby silver, assay value, 120 to 850 ounces silver per ton; one drift 20 feet in length, and 18 feet from surface.

Nipsey. L. B. Clay, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1878; situated in Defiance gulch, Mount Sneffels mining district, nine miles from Ouray; course of vein, east and west, width, 15 feet, pitch, 15°; nature of ore, gray copper and galena; one drift 20 feet in length and 20 feet from surface.

No Name. C. Ogle and E. M. Smith, proprietors; office, Upper San Miguel City; claim, 280 by 1500 feet; located 1877; situated on Gold run, Upper San Miguel mining district, nine miles from Ouray; course of vein, east and west, width, 24 feet, pitch, 20°; nature of ore, brittle silver and gray copper, assay value, 200 to 700 ounces silver per ton; one shaft 14 feet deep.

None Such. C. Morris and G. Van Pelt, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Cañon creek; Uncompahgre mining district, one mile from Ouray; course of vein, east and west, width, 12 feet, pay vein, 10 inches; nature of ore, gray copper and galena, assay value, 150 ounces silver per ton; two adits 30 feet each.

None Such. Owned by J. C. Resor and W. Calely; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on Bear creek, Upper Miguel mining district, three miles from Miguel City, and fourteen miles from Ouray; course of vein, northeast and southwest, width, 4 feet, pay vein, 20 inches; nature of ore, brittle silver and gray copper, assay value, 50 to 200 ounces silver per ton; one adit 12 feet in length, with 12 foot face.

Norfolk and Ouray Mining and Smelting Co., incorporated March 28, 1878; capital stock, $500,000, in 5,000 shares, $100 each; offices, Ouray, Colorado, and Norfolk, Virginia; John L. Roper, prest., George E. Maltby, treas., R. D. Parrott, sec., M. S. Corbett, supt., W. H. Strout, metallurgist, Howard N. Johnson, Samuel McWilliams, Fred. Greenwood, Theodore, F. Rogers and L. C. Kilby, trustees.

Norma. Owned by W. Weston & Co., of Ouray; claim, 300 by 1500 feet; located 1877; situated in Imogene basin, Mount Sneffels mining district, nine miles from Ouray; course of vein, north and south, width, 12 feet, pay vein, 3 feet, pitch, 10°; nature of ore, gray copper, assay value, 160 ounces silver per ton; development, one tunnel, 100 feet in length.

North Star. Owned by Charles J. and A. Owens; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Red mountain, Uncompahgre mining district, four miles from Ouray; course of vein, northwest and southeast, width, 8 feet, pay vein, 6 inches, pitch, 25°; nature of ore, galena and iron pyrites, assay value, 100 ounces silver per ton; one drift, 40 feet in length and 25 feet from surface.

Northern Light. O. W. Jameson and H. E. Volkman, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Mount Emma, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending northwest and southeast, width, 4 feet, pay vein, 15 inches; nature of ore, gray copper and brittle silver, assay value, 400 ounces silver per ton; one shaft, 12 feet deep, one adit, 10 feet in length.

Occident Mining Co., incorporated February 2, 1879, capital stock, $25,000, in 2500 shares, $10 each; office, Denver; organized by Mark Curran, John Curran, William S. Marshall, F. J. Elbert, Frederick L. Hahn and Edward P. Greenough.

Ophir. John Thomas & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Engineer mountain, Uncompahgre mining district, six miles from Ouray; vertical vein, trending northeast and southwest, width, 22 inches, pay vein, 4 inches; nature of ore, gray copper and galena, assay value, 400 ounces silver per ton; one shaft, 18 feet deep.

Ophir. Owned by J. F. Robison and J. E. Horner; claim, 300 by 1500 feet; located 1877; situated on Silver mountain, Iron Springs, mining district, near town of Ophir, twelve miles from Ouray; vertical vein, trending north and south, width, 10 inches, pay vein, 6 inches; nature of ore, free gold, value, $20 gold and $10 silver per ton; one drift, 20 feet in length and 20 feet from surface.

Ophir, Placer. Owned by C. Googen & Co., of Ouray; claim comprises twenty acres of placer ground; located five miles from Miguel City, on the Lower Miguel river.

Osceola. Owned by W. S. Fink and Mrs. Martha Roberts; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Silver mountain, Iron Springs mining district, near town of Ophir, twelve miles from Ouray; course of vein, east and west, width, 4 feet, pay vein, 10 inches, pitch, 12°; nature of ore, free gold, value, $12,500 per ton; one shaft, 50 feet deep; yield, $3,000.

Ouray. E. Thayer and Philip E. Morehouse, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Buckeye mountain, Mount Sneffels mining district, eight miles from Ouray; course of vein, north and south, width, 5 feet, pay vein, 2 feet, pitch, 10°; nature of ore, gray copper and galena, average value, 200 ounces silver per ton; two adits, 20 feet each.

Ouray Discovery and Mining Co., incorporated February 7, 1877; capital stock, $50,000 in 500 shares, $100 each; office, Ouray; trustees, L. J. Worden, E. S. Eldridge, A. D. Seal, W. G. Melville and James E. Watson.

Ouray Mining Co., incorporated September 24, 1877; capital stock, $30,000, in 300 shares, $100 each; offices, Ouray, Colorado, and Oil City, Penn.; trustees, Wesley Chambers, Jacob Ohlwiler, J. T. Jones, and E. C. Bradley.

Pacific. Owned by S. P. and F. M. Truitt and M. L. Wimber; office, Ouray; claim, 300 by 1500 feet; located 1877; situated in Defiance gulch, Mount Sneffels mining district, nine miles from Ouray; course of vein, east and west, width, 30 inches, pay vein, 14 inches; nature of ore, gray copper, assay value, 440 ounces silver per ton; one drift, 20 feet in length, and 12 feet from surface.

Pacific Tunnel. Owned by W. S. Fink and Mrs. Martha Roberts; office, Silverton; claim, 1500 by 3000 feet; located 1878; situated on Silver mountain, Iron Springs mining district, near town of Ophir, twelve miles from Ouray; course of tunnel, north and south, length, 40 feet, designed to cut the Powhattan and Osceola veins.

Pategranda. Owned by S. M. Ransom, W. Turner and C. A. Ward; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Bear mountain, Uncompahgre mining district, four miles from Ouray; vertical vein, trending northeast and southwest, width, 10 feet; nature of ore, galena and gray copper, average value, 30 ounces silver per ton; one shaft 20 feet deep.

Paymaster. J. P. Barrows, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Canon creek, Uncompahgre mining district, half mile from Ouray; course of vein, northwest and southeast, width, 15 feet, pay vein, 10 inches, pitch, 25°; nature of ore, iron and copper pyrites and galena; one adit, 12 feet in length, with 11-foot face.

Pike County. Owned by F. Fodde & Co.; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Yellow mountain, Iron Springs mining district, one mile from town of Ophir and twelve miles from Ouray; course of vein, north and south, width, 4 feet, pay vein, 18 inches; nature of ore, free gold, assay value, $494 per ton; one drift, 250 feet in length, and 250 feet from surface.

Pocahontas. Owned by Francis G. and J. H. King, Leonard C. Kilham and D. D. Mallory; office, Denver; claim, 300 by 1500 feet; patented; located September 13, and recorded October 30, 1875; situated near the junction of Imogene and Pocahontas gulches, Mount Sneffels mining district, eight miles from Ouray; vertical vein, trending northwest and southeast, width, 5 feet, pay vein, 18 inches; nature of ore, galena and gray copper, assay value, 100 to 500 ounces silver per ton; developed by a tunnel, 14 feet, and a drift, 15 feet in length. The country in the vicinity of this property is covered with timber, suitable for milling and other purposes. Judging from the amount of ore to be seen in the workings and on the surface of this lode, there can be no doubt but what it will eventually become the sterling mine of the district.

Pocahontas. Owned by G. W. Hight and John Eddy; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Yellow mountain. Iron Springs mining district, near town of Ophir; twelve miles from Ouray; vertical vein, trending east and west, width, 22 inches, pay vein, 6 inches; nature of ore, galena, assay value, 100 ounces silver per ton; one shaft, 12 feet deep.

Polar Star. Charles Kirk, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Yellow mountain, Iron Springs mining district, two miles from town of Ophir and thirteen miles from Ouray; vertical vein, trending north and south, width, 8 feet, pay vein, 30 inches; nature of ore, galena and gray copper, assay value, 100 ounces silver per ton; one adit, 30 feet in length, with 20-foot face.

Potomac. Owned by M. Funk & Bro.; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Hardin mountain, Uncompahgre mining district, two miles from Ouray; vertical vein, trending northwest and southeast, width, 5 feet, pay vein, 31 inches; nature of of ore, iron pyrites and gray copper, average value, 85 ounces silver and 2 ounces gold per ton; three adits, 12, 18 and 20 feet in length respectively.

Potosi, extension of Seven Thirty. Owned by Francis G. and J. H. King, Leonard C. Kilham and D. D. Mallory; office, Denver; claim, 300 by 1500 feet; patented; located September 13, and recorded October 30, 1875; situated on the south side of

Potosi mountain, Mount Sneffels mining district, seven miles from Ouray; course of vein, northeast and southwest, width, 6 feet, pay vein, 12 to 30 inches, pitch, southeast; nature of ore, gray copper, assay value, 225 ounces silver per ton; developed by a tunnel 25 feet, and an open cut 20 feet in length; the surface is well timbered, and convenient to the property is a good cabin, and water power, suitable for driving all kinds of heavy mining machinery.

Powhattan. Owned by W. S. Fink and Mrs. Martha Roberts; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Iron Springs mining district, near town of Ophir, twelve miles from Ouray; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, 20 inches; nature of ore, free gold, value, $60 to $5,000 per ton; two drifts, 20 and 75 feet from surface respectively, aggregating 125 feet in length; yield, $3,500.

Prince Consort. J. Thornton, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Red mountain, Uncompahgre mining district, five miles from Ouray; vertical vein, trending east and west, width, 6 feet, pay vein, 18 inches; nature of ore, gray copper and iron pyrites; one adit 15 feet in length, with 12 foot face.

Provedencia Groupe. Owned by J. D. Coplen, J. Russell, J. Scitz and others; office, Ouray; claims comprise six lodes, or mineral veins, 300 by 1500 each; situated on Republican mountain, Uncompahgre mining district, six miles from town of Ouray; main shaft, 40 feet deep, one drift 100 feet in length.

Raleigh. Owned by L. W. Tevis, H. F. Blythe and others; office, Ouray; claim, 300 by 1500 feet; located 1876; situated in Virginia basin, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, 8 inches; nature of ore, galena and gray copper; two adits, 14 feet each.

Red Cloud. L. Quinn & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Cañon creek, Uncompahgre mining district, four miles from Ouray; course of vein, east and west, width, 5 feet, pitch, 10°; nature of ore, gray copper and iron pyrites, assay value, 140 to 1000 ounces silver per ton; one drift, 25 feet in length.

Revenue Mining and Milling Co., incorporated February 28, 1878; capital stock, $500,000, in 50,000 shares, $10 each; office, Denver, Colorado; trustees, Harry Hunt, Joseph C. Wilson, Howard B. and Lorenzo A. Jeffries and E. B. Kephart.

Ringdove. Owned by H. W. Stingley and E. R. Jameson, of Ouray; claim, 300 by 1500 feet; located 1876; situated on Cañon creek, Uncompahgre mining district, three miles from Ouray; course of vein, east and west, width 3 feet, pitch, 30°; nature of ore, gray copper and galena, assay value, 600 ounces silver per ton; development, one tunnel 50 feet in length.

River Treasure, and Stony. Owned by William M. Friend, J. W. Vance and G. Kimball; office, Ouray; claim, 300 by 3000 feet;

located 1878; situated on Ruby mountain, Mount Sneffels mining district, seven miles from Ouray; vertical vein, trending northeast and southwest, width, 3 feet, pay vein, 8 inches; nature of ore, gray copper and galena; two adits, 10 and 15 feet in length respectively.

Roanoke. Owned by H. Le Clair and W. S. Stinson; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Engineer mountain, Uncompahgre mining district, six miles from Ouray; course of vein, east and west, width, 15 feet, pay vein, 3 feet, pitch, 25°; nature of ore, gray copper and galena, assay value, 125 ounces silver per ton; one tunnel, 25 feet and one level 10 feet in length.

Rob Roy. Owned by John C. Munn and W. B. Fonda; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Upper San Miguel mining district, three miles from Miguel City and twelve miles from Ouray; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 18 inches, nature of ore, galena and sulphurets, average value, 150 ounces silver per ton; one shaft 15 feet deep.

Rocky Mountain Lion. Charles Josephs & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Uncompahgre creek, Uncompahgre mining district, five miles from Ouray; vertical vein, trending north and south, width, 30 feet; nature of ore, galena and gray copper, assay value, 250 ounces silver per ton; one shaft, 15 feet deep.

Safe Deposit. T. Resor & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Gold run, Upper San Miguel mining district, nine miles from Ouray; vertical vein, trending northwest and southeast, width, 9 feet, pay vein, 30 inches; nature of ore, galena and gray copper, assay value, 90 ounces silver per ton; one adit, 15 feet in length.

San Juan. Owned by Joseph Cuenin and C. J. Rouech and Howard Home; office, Del Norte; claim, 300 by 1500 feet; located, 1877; situated on Yellow Mountain, Iron Springs mining district, four miles from Miguel City and twelve miles from Ouray; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 18 inches; nature of ore, gray copper, average value, $245 per ton; one drift, 160 feet in length.

San Juan Hydraulic Mining Co., incorporated June 5, 1877; capital stock, $1,000,000 in 100,000 shares, $10 each; office, Denver; trustees, John A. Luce, Dennis B. Harris, Nicholas S. Snyder, William F. Shanks, Robert Connely, John M. Lord, Edward Ohio, R. T. Brown and Becker Folsom.

San Juan and St. Louis Mining and Smelting Co. Incorporated October 23, 1877; capital stock, $500,000, in 5,000 shares, $100 each; office, Ouray; Robert T. Long, pres., Claude P. Hardin, treas.

San Miguel Hydraulic Mining Co., incorporated June 7, 1877; capital stock, $12,000, in 1,200 shares, $10 each; office, Denver; trustees, Dennis B. Harris, Robert Connely, and William F. Shanks.

Santa Clara. W. H. Lilley & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located

1876; situated in Sneffels basin, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 20 inches; nature of ore, gray copper and ruby silver, assay value, 261 ounces silver per ton; one drift, 55 feet in length, and 35 feet from surface.

Security. N. J. Downer and M. D. Cooper, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Ruby mountain, Mount Sneffels mining district, seven miles from Ouray; course of vein, northwest and southeast, width 4 feet, pay vein, 20 inches, pitch, 15°; nature of ore, sulphurets, brittle and ruby silver, average value, 900 ounces silver per ton; one drift, 40 feet in length and 18 feet in depth.

Senator. W. Reid and M. J. Buskirk, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Wilson mountain, Mount Sneffels mining district, ten miles from Ouray; course of vein, east and west, width, 8 feet, pay vein, one foot, pitch, 30°; nature of ore, gray copper and galena, average value, 80 ounces silver per ton; two drifts, 20 feet each, being 15 and 20 feet from surface respectively.

Seven-Thirty. Owned by Francis G. and J. H. King, Leonard C. Kilham and D. D. Mallory; office, Denver; claim, 300 by 1200 feet; located September 13, and recorded October 30, 1875; situated at the base and on the north side of Ruby mountain, Mount Sneffels mining district, seven miles from Ouray; vertical vein, trending north and south, width, 5 feet, pay vein, 8 to 12 inches; nature of ore, gray copper and ruby silver, average value, 200 ounces silver per ton; developed by a tunnel, 40 feet in length, and two open cuts 13 and 14 feet in length respectively. At a convenient distance from the mine is a good water power, cabin and blacksmith shop. The mountain rises at an angle of about 40° from the vertical, affording a fine oppority to gain depth by tunneling. The surface is covered with timber suitable for mining and other purposes.

Seven-Thirty. Owned by B. B. Shutts, W. R. Hart and W. B. Fonda; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Iron Springs mining district, one mile from town of Ophir and twelve miles from Ouray; course of vein, northeast and southwest, width, 6 feet, pay vein, 20 inches, nature of ore, free gold and chloride of silver, average value, $240 per ton; main shaft, 25 feet deep, one drift, 25 feet in length and 30 feet from surface.

Silver Belt. L. B. Clay, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Virginus mountain, Mount Sneffels mining district, six miles from Ouray; course of vein, northeast and southwest, width, 9 feet, pay vein, 3 feet, pitch, 15°; nature of ore, brittle silver and gray copper, one drift, 15 feet in length and 12 feet from surface.

Silver Crown. H. Dunton & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Mineral Point mountain, Uncompahgre mining district, six miles from Ouray;

vertical vein, trending northeast and southwest, width, 6 feet, pay vein, 6 inches; nature of ore, galena and gray copper; one adit, 12 feet in length, with 15-foot face.

Silver Gray and San Juan Mining Co., incorporated January 30, 1878; capital stock, $100,000, in 10,000 shares, $10 each; office, Denver; organized by William C. Roberts, Samuel E. Collyer, and John P. Oglesby; E. R. Dougherty, prest., Thomas R. Burch, vice-prest., A. C. Fisk, sec., Andrew Templeton, treas., Samuel E. Collyer, supt. The property of this company is situated in the Uncompahgre mining district, on the south side of Yellow Stone gulch and on Red mountain in Gray Copper gulch, three miles from Dow & Waters' reduction works, and twelve miles north of Silverton. It comprises the Silver Gray and Broad Gauge lodes, which were discovered by Samuel E. Collyer, the former being located July 15, and the latter August 2, 1876. Each of these lodes are 300 feet in width by 1500 feet in length, and run parallel to each other. The Silver Gray is developed by a drift on the vein 150 feet in length, showing a crevice 3 feet wide; the nature of ore is gray copper, iron and copper pyrites, and the average value 128 ounces silver per ton. The Broad Gauge is developed by one open cut 50 feet in length; course of vein, north and south, width, 50 feet; nature of ore, gray copper, iron and copper pyrites, average value, 50 ounces silver per ton; there is an abundance of timber, suitable for all purposes, and a good supply of water in the immediate vicinity of this property.

Silver King. Owned by W. H. Rogers, of Colorado Springs; claim, 300 by 1500 feet; situated on Engineer mountain, Uncompahgre mining district, seven miles from Ouray; course of vein, northeast and southwest, width, 7 feet, pitch, 45° northeast, pay vein, one foot; nature of ore, gray copper and galena, average value, 200 ounces silver per ton; one drift, 100 feet in length.

Silver King. W. and G. Mitchell, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Uncompahgre creek, Uncompahgre mining district, vertical vein, trending north and south, width, 20 feet, pay vein, 3 feet; nature of ore, galena and iron pyrites, assay value, 90 ounces silver per ton; one drift, 15 feet in length, and 40 feet from surface.

Silver King. W. S. Corey, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1878; situated in Virginius basin, Mount Sneffels mining district, nine miles from Ouray; course of vein, northwest and southeast, width, 7 feet, pay vein, 30 inches; nature of ore, gray copper, ruby and brittle silver, assay value, 800 ounces silver per ton; one adit, 20 feet in length, with 11-foot face.

Silver Leaf. Owned by J. C. Waring & Co.; office, Silverton; claim, 300 by 1500 feet; located 1876; situated on Ruby mountain, Mount Sneffels mining district, ten miles from Ouray; vertical vein, trending northwest and southeast, width, 5 feet, pay vein, 18 inches; nature of ore, gray copper and galena, assay value, 20 to 500 ounces silver per ton; one drift, 30 feet in length, and 25 feet from surface; one adit, 12 feet in length, with 12-foot face.

Silver Link. Owned by J. Russell, W. Page, J. Coplen and S. Wade; office, Ouray; claim, 300 by 1500 feet; situated on Cline mountain, Uncompahgre mining district, five miles from Ouray; course of vein, north and south, width, 24 feet, pitch, 10° east, pay vein, 12 feet; nature of ore, gray copper and galena, average value, 75 ounces silver per ton; main shaft, 15 feet deep.

Silver Mountain Tunnel. Owned by J. Orr, John R. Curry, F. Morey and F. H. Whitney; office, Silverton; claim, 1500 by 3000 feet; located 1878; situated on Silver mountain, Iron Springs mining district, near town of Ophir, twelve miles from Ouray; course of tunnel, north and south, length, 100 feet.

Silver Plume. Owned by A. Peck, Bro., and others; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Cline mountain, Uncompahgre mining district, four miles from Ouray; course of vein, north and south, width, 4 feet, pay vein, 6 inches, pitch, 15°; nature of ore, galena and gray copper, assay value, 90 ounces silver per ton; one adit, 30 feet in length, with 25-foot face.

Silver Wave. W. Caldwell & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Uncomaphgre creek, Uncompahgre mining district, five miles from Ouray; course of vein, north and south, width, 12 feet, pitch, 15°; nature of ore, galena and gray copper, assay value, 150 ounces silver per ton; one adit, 15 feet in length.

Snow Bird. C. Coogan and G. O. Roberts, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Treasure hill, Mount Sneffels mining district, nine miles from Ouray; course of vein, northwest and southeast, width, 4 feet, pay vein, 20 inches, pitch, 30°; nature of ore, ruby and brittle silver and galena, assay value, 200 ounces silver per ton; one drift 16 feet in length, and 16 feet from surface.

Snow Flake. C. Coogan and G. O. Roberts, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Treasure hill, Mount Sneffels mining district, nine miles from Ouray; course of vein, northwest and southeast, width, 6 feet, pay vein, 2 feet, pitch, 30°; nature of ore, ruby and brittle silver and galena, assay value, 200 ounces silver per ton; one adit, 30 feet in length, with 18 foot face.

Sonora. C. Coogan and G. O. Roberts, proprietors; office, Ouray; claim, 300 by 1500 feet; located on Mount Sneffels, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending northwest and southeast; width, 8 feet, pay vein, 30 inches; nature of ore, galena and gray copper, assay value, 50 to 300 ounces silver per ton; one shaft, 40 feet deep.

Spar. Owned by L. Sears and H. F. Shanks; office, Ophir; claim, 300 by 1500 feet; located 1877; situated on Silver mountain, Iron Springs mining district, one mile from town of Ophir, and twelve miles from Ouray; vertical vein, trending northeast and southwest, width, 10 feet, pay vein, one foot; nature of ore, gray copper and galena, assay value, 80 ounces silver per ton; one drift 20 feet in length.

Specie Payment. Charles Johnson, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Cañon creek; Mount Sneffels mining district, seven miles from Ouray, vertical vein, trending north and south, width, 3 feet, pay vein, 10 inches; nature of ore, galena and gray copper, assay value, 100 ounces silver per ton; one drift, 20 feet in length and 15 feet from surface.

Spotted Tail. W. S. Corey, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Uncompahgre creek, Uncompahgre mining district, nine miles from Ouray; vertical vein, trending northeast and southwest, width, 2 feet, pay vein, one foot; nature of ore, galena and gray copper, assay value, 200 ounces silver per ton; two adits 14 feet in length respectively.

Staatsburg. Owned by the Staatsburg Silver Mining Co., incorporated 1878; capital stock, $600,000, in 6,000 shares, $100 each; office, Silverton; J. H. Brink, prest., H. Staats, vice prest., A. A. Fain, sec., J. M. Stuart, treas.; claim, 300 by 1500 feet; located 1877; situated on Silver mountain, Iron Springs mining district, one mile from town of Ophir, and twelve miles from Ouray; vertical vein, trending east and west, width, 15 feet, pay vein, 10 inches; nature of ore, sulphurets and galena, average value, 150 ounces silver per ton; one tunnel 140 feet in length, which intersects the vein at a depth of 80 feet, one level 50 feet in length and 80 feet from surface; yield, $1,000.

Staatsburg Tunnel. Owned by the Staatsburg Silver Mining Co.; office, Silverton; claim, 1500 by 3000 feet; located 1877; situated on Silverton mountain, Iron Springs mining district, one mile from town of Ophir, and twelve miles from Ouray; course of tunnel, north and south, length, 200 feet; will intersect 5 lodes within a distance of 600 feet from the mouth.

Starlight. J. Cooper and S. Smith, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Bear creek, Uncompahgre mining district, three miles from Ouray; vertical vein, trending northwest and southeast, width, 5 feet, pay vein, 30 inches; nature of ore, galena, assay value, 80 ounces silver per ton, one drift 30 feet in length, and 18 feet from surface.

Star of Hope. Owned by W. Caldwell, S. S. Evens and others; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Red mountain, Uncompahgre mining district, seven miles from Ouray; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 20 inches; nature of ore, galena and gray copper, assay value, 90 ounces silver per ton; one shaft 8 feet deep, one drift 12 feet in length.

St. Louis. Joseph Beck and C. C. Crawford, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Cañon creek, Uncompahgre mining district, six miles from Ouray; vertical vein, trending northeast and southwest, width, 6 feet, pay vein, 10 inches; nature of ore, gray copper and galena, assay value, 90 ounces silver per ton; one adit, 15 feet in length, with 15 foot face.

Sulphurets. Owned by W. C. Hess, J. E. Lacome and others; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Silver mountain, Iron Springs mining district, one mile from town of Ophir, and twelve miles from Ouray; vertical vein, trending northeast and southwest, width, 8 feet, pay vein, 20 inches; nature of ore, sulphurets, average value, 175 ounces silver per ton; one drift, 150 feet in length, and 125 feet from surface; yield, $3,000.

Summit. Owned by George Green & Co., Alexander Fleming, TimothyCart and ThomasStanton; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Silver Mountain, Iron Springs mining district, one mile from town of Ophir and twelve miles from Ouray; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 4 inches; nature of ore, galena and gray copper, average value, 200 to 250 ounces silver per ton; yield, $5,000.

Sunny Side. Owned by Thomas E. Breckenridge and Sons; office, Ophir; claim, 300 by 1500 feet; located 1877; situated on Silver Mountain, Upper San Miguel mining district, three miles from town of San Miguel and twelve miles from Ouray; vertical vein, trending east and west, width, 5 feet, pay vein, 4 inches; nature of ore, gray copper and sulphurets, average value, 200 ounces silver per ton; one drift, 25 feet in length and 25 feet from surface.

Surprise. Benjamin B. Haddox, L. B. Laffoon and D. A. Munn; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Silver Mountain, Upper San Miguel mining district, two miles from town of Ophir and twelve miles from Ouray; course of vein, north and south, width, 2 feet, pay vein, 6 inches; nature of ore, free gold; one shaft, 12 feet deep.

Tecumseh. Owned by W. S. Fink and Mrs. Martha Roberts; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Silver Mountain, Iron Springs mining district, near town of Ophir, twelve miles from Ouray; course of vein, east and west, width, 14 inches, pay vein, one foot, pitch, 12°; nature of ore, free gold, average value, $60 per ton; one shaft, 20 feet deep.

Terrible. James K. Reed & Co., proprietors; office, Miguel City; claim, 300 by 1500 feet; located 1878; situated on Bear creek, Upper San Miguel mining district, three miles from Miguel City and fourteen miles from Ouray; vertical vein, trending east and west, width, 10 feet, pay vein, 3 feet; nature of ore, sulphurets and carbonate, average value, 75 ounces silver per ton; one adit, 10 feet in length with 10 foot face.

Terrible. Owned by M. McCormick and P. Peterson; office, Ophir; claim, 300 by 1500 feet; located 1877; situated on Yellow Mountain, Iron Springs mining district, three miles from town of Ophir and thirteen miles from Ouray; course of vein, east and west, width, 5 feet, pay vein, 3 feet; nature of ore, gray copper and galena, value, 220 ounces silver and 20 ounces gold per ton;

one adit, 12 feet, and one drift, 22 feet in length.

Terrible. W. McIntire and F. Coombes, proprietors; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Yellow mountain, Iron Springs mining district, two miles from town of Ophir and twelve miles from Ouray; vertical vein, trending north and south, width, 10 feet, pay vein, 20 inches; nature of ore, galena and gray copper, assay value, 90 ounces silver per ton; one adit, 15 feet in length.

Texas. Owned by James J. and Albert Bernard, Daniel J. and James C. McKay, William Forsyth and John M. Ross; office Howardsville; claim 300 by 1500 feet; located 1874; situated in Poughkeepsie gulch, Uncompahgre mining district, seven miles from Ouray; course of vein northeast and southwest; width 6 feet, pay vein 3 feet; nature of ore, galena and gray copper; assay value, 557 ounces silver per ton; and tunnel 25 feet in length.

Tilden. M. C. Clingham & Co., proprietors; office Silverton; claim 300 by 1500 feet; located 1878; situated on Turkey creek, Upper San Miguel mining district, twelve miles from Ouray; vertical vein, trending east and west; width, 20 feet, pay vein, 4 feet; nature of ore, gray copper and galena; assay value, 300 ounces silver per ton; ore shaft twelve feet deep.

Tornado and Bank of San Juan. Owned by O. W. Jameson and H. E. Volkman; office Ouray; claim 300 by 3000 feet; located 1876; situated on Mount Emma, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending northwest and southeast; width, 4 feet; pay vein, 18 inches; nature of ore, gray copper and ruby silver; assay value, 600 ounces silver per ton; two drifts, 20 and 30 feet in length respectively.

Traverse. Owned by J. J. Crane and J. Benton; office Ouray; claim 300 by 1500 feet; located 1877; situated on the Uncompahgre river, in town of Ouray; vertical vein, trending northeast and southhwest; width, 5 feet; nature of ore, gray copper and galena; one adit, 20 feet in length and 15 feet from surface.

Treasure Hill. C. Coogan and G. O. Roberts, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Treasure hill, Mount Sneffels mining district, nine miles from Ouray; course of vein, northwest and southeast; width, 8 feet; pitch 30°; nature of ore, galena and gray copper; assay value, 30 to 150 ounces silver per ton; one shaft, 10 feet deep; one adit, 30 feet in length, with 16-foot face.

Treasure Vault. Owned by M. Williams & Bro.; office, Animas Forks; claim, 300 by 1500 feet; located 1878; situated on Bear Mountain, Upper San Miguel mining district, four miles from Miguel City and thirteen miles from Ouray; course of vein, northeast and southwest; width 20 feet; pay vein, 30 inches; pitch 10°; nature of ore, gray copper and galena, average value, 75 ounces silver per ton; one adit, 20 feet in length.

Triumph. Placer. Owned by R. Bennet and L. Stacey, of Ouray; claim comprises 80 acres of placer ground, located on the Miguel river, two miles from Ouray.

Umpecaw. Owned by S. P. and F. M. Truitt and W. Beers; office, Ouray; claim, 300 by 1500 feet; located 1877; situated in Imogene basin, Uncompahgre mining district, six miles from Ouray; course of vein, northeast and southwest, width, 8 feet, pay vein, 16 inches; nature of ore, brittle silver, average value, 100 ounces silver per ton; one drift, 20 feet in length and 20 feet from surface.

Union. Owned by M. N. Funk & Co.; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Harden mountain, Uncompahgre mining district, three miles from Ouray; course of vein, northeast and southwest, width, 11 feet, pay vein, 8 inches; nature of ore, brittle silver and gray copper, average value, $150 per ton; one shaft, 100 feet deep, one tunnel 20 feet in length, intersecting vein at a depth of 20 feet, one drift, 50 feet in length and 50 feet from surface, one level, 100 feet in length; yield, $3,500.

U. S. Depository. John C. Waring, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Buckeye mountain, Mount Sneffels mining district, nine miles from Ouray; course of vein, southeast and northwest, width, 6 feet, pay vein, 28 inches, pitch, 20°; nature of ore, gray copper and galena, assay value, 50 to 3000 ounces silver per ton; one drift, 200 feet in length and 160 feet from surface, one adit, 20 feet in length; tunnel house, 16 by 18 feet.

Ute. Owned by W. Mitchell, J. Cole and R. Ronk; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Uncompahgre creek, four miles from Ouray; vertical vein, trending east and west, width, 30 inches, pay vein, 8 inches; nature of ore, galena, assay value, 75 ounces silver per ton; one shaft, 8 feet deep, one adit, 20 feet in length.

Valley View. Owned by David A. and John Munn, Benjamin Hadox and J. E. Lacome; office, Silverton; claim, 300 by 1500 feet, patented; located 1877; situated on Silver mountain, Iron Springs mining district, near town of Ophir, twelve miles from Ouray; course of vein, northeast and southwest, width, 20 feet, pay vein, 3 feet, pitch, 4°; nature of ore, carbonate of lead, average value, 250 ounces silver per ton; main shaft, 50 feet deep; to be intersected by the Gold King tunnel at a depth of 600 feet; yield, $6,000.

Victor. R. M. Mercer & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Red mountain, Uncompahgre mining district, three miles from Ouray; course of vein, northeast and southwest, width, 12 feet, pay vein, 30 inches, pitch, 25°; nature of ore, gray copper and galena, assay value, 120 ounces silver per ton; one drift, 20 feet in length and 15 feet from surface.

Virginius. Owned by C. C. Alvord, of Denver; claim, 300 by 1500 feet; located 1876; situated in Virginius basin, Mount Sneffels mining district, nine miles from Ouray and thirty miles from Lake City; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 20 inches; nature of ore, gray copper and galena, average value, 300 ounces silver per ton; two tunnels aggregating

500 feet in length, 70 and 140 feet from surface respectively.

Washington. J. Frye & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Cañon creek, Uncompahgre mining district, six miles from Ouray; vertical vein, trending east and west, width, 30 inches, pay vein, 8 inches; nature of ore, gray copper, assay value, 150 ounces silver per ton; one adit, 15 feet in length, with 10 foot face.

Water Fall. Owned by Harry Diehl & Co.; office, Ophir; claim, 300 by 1500 feet; located 1876; situated on Yellow mountain, Iron Springs mining district, near town of Ophir, twelve miles from Ouray; course of vein, northeast and southwest, width, 4 feet, pay vein, one foot; nature of ore, gray copper and galena, assay value, 240 ounces silver per ton; one drift, 20 feet in length.

Western. Owned by W. R. Watson & Co.; office, Ouray; claim, 300 by 850 feet; located 1877; situated on Bear Creek range, Uncompahgre mining district, four miles from Ouray; vertical vein, trending north and south, width, 15 feet, pay vein, 15 inches; nature of ore, brittle silver, gray copper and iron pyrites; two adits, 12 feet in length rerepectively.

Western Star. Owned by M. McCormick and P. Peterson; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Yellow mountain, Iron Springs mining district, three miles from town of Ophir and twelve miles from Ouray; course of vein, northwest and southeast, width, 6 feet, pay vein, 5 feet; nature of ore, gray copper and galena; one adit, 15 feet in length and 12 feet from surface.

Windham Silver Mining and Smelting Co., incorporated April 2, 1878, capital stock, $50,000, in 500 shares, $100 each; offices, Ouray, Colorado, and Windham, Connecticut; organized by Frank C. Garbutt, Sarah C., Richard W. and P. Henry Woodward and Thomas Ramsdell.

Yankee Boy. Charist, Morrison & Co., proprietors; offices, Ouray, and Silverton, Colorado; claim, 300 by 1500 feet; located 1875; situated on Mount Sneffels, Mount Sneffels mining district, ten miles from Ouray; vertical vein, trending southeast and northwest, width, 5 feet, pay vein, 20 inches; nature of ore, ruby and brittle silver, average value, 400 ounces silver per ton; one tunnel, 60 feet in length, intersecting vein at a depth of 75 feet, one drift, 200 feet in length, and 150 feet from surface, one level, 75 feet in length, and 180 feet from surface; yield, $15,000.

ORE MILLS

AND MILLING INCORPORATIONS.

Norfolk and Ouray Mining and Smelting Co., incorporated March 28, 1878; capital stock, $500,000, in 5,000 shares, $100 each, John L. Roper, prest., George E. Maltby, treas., R. D. Parrott, sec., M. S. Corbett, supt., W. H. Strout, metallurgist. The works of this company are situated two miles north of Ouray, and have a capacity for treating 40 tons of ore daily.

San Juan and St. Louis Mining and Smelting Co., R. F. Long, manager. The works of this company are located one mile from town of Ouray and have a capacity for treating 20 tons of ore daily.

Windham Silver Mining and Smelting Co., incorporated April 2d, 1878; capital stock, $50,000 in 500 shares, $100 each; offices, Ouray, Colorado, and Windham, Conn.; organized by Frank C. Garbutt, Sarah C., Richard W., and P. Henry Woodward and Thomas Ramsdell. The works of this company have a capacity for treating 12 tons of ore in 24 hours; they are run by water, and situated on the Uncompahgre river, three miles from Ouray.

PARK COUNTY.

The area of this county is 1,842 square miles. It is bounded north by the counties of Summit and Clear Creek, east by Jefferson and El Paso, west by Lake and Summit, and south by Fremont and Lake. The population is 6,000, and the bullion product for 1878, $479,000.

Alma Pool Association, incorporated 1874; capital stock, $60,000, in 2,400 shares, $25 each; office, Alma; John T. Brownlow, prest., James V. Dexter, sec. and treas.; Assyria Hall, George W. Brunk and James F. Flanagan, directors.

Alpine. Owned by the Alma Pool Association; office, Alma; claim, 50 by 1500 feet; situated on the southeast spur of Mount Lincoln, Consolidated Montgomery mining district, six miles from Alma, and twelve miles from Fairplay; nature of ore, galena and sulphurets, average value, $50 per ton; one shaft 25 feet deep.

Argente. Owned by C. S. Eyster and Thomas Willey; office, Denver; claim, 200 by 1500 feet; discovered 1874; situated in Sacremento gulch, seven miles from Fairplay; horizontal vein, width, 12 to 18 inches; nature of ore, carbonate of lead, value, 100 ounces silver per ton.

Atlantic. William Bemrose and L. L. Higgins, proprietors; office, Alma; claim, 300 by 1500 feet; located 1876; situated on North Star mountain, Consolidated Montgomery mining district, six miles from Alma, and twelve miles from Fairplay; course of vein, north and south, width, 8 feet; pay vein, 4 feet, pitch, 15° nature of ore, oxide of iron, average value, $45 gold per ton; one shaft 210 feet deep, one level 150 in length; yield, $30,000; shaft house 30 by 50 feet.

At Last. Owned by R. A. Kirker and Elisha Bass; office, Fairplay; claim, 300 by 1500 feet; situated on divide between Horse Shoe creek and Platte river, ten miles from Fairplay; course of vein, northeast and southwest, width, 20 feet, pitch, 12° southeast; nature of ore, iron and carbonate of lead; one shaft 15 feet deep, one tunnel 15 feet in length.

Baltic. John R. Lindgren, proprietor; office, Chicago; claim, 300 by 1500 feet; patented; situated on the southern slope of Mount Lincoln, Consolidated

Montgomery mining district, six miles from Alma, and twelve miles from Fairplay; course of vein, northeast and southwest; nature of ore, galena and sulphurets; one tunnel 75 feet in length.

Barret, Hall & Co.'s Placer. Owned by George W. Barrett, Assyria Hall and W. L. Wilson. This property comprises 380 acres of ground, situated on Tarryall creek, two miles above Hamilton, and seventeen miles from Fairplay. It has been worked since 1859, and the yield for two years, 1876 and 1877, was $17,000.

Barrett Placer. George W. Barrett, proprietor; office, Hamilton; claim comprises 75 acres of ground, situated on Tarryall creek, two miles above Hamilton, and seventeen miles from Fairplay; yield, $15,000.

Bass. Owned by the Horse Shoe mining Co., Robert A. Kirker, supt; office, Fairplay; claim, 300 by 1500 feet; situated on the south fork of Four Mile creek, Horse Shoe mining district, ten miles from Fairplay; course of vein, northeast and southwest, width, 12 feet; nature of ore, iron and carbonate of lead; one shaft 45 feet deep.

Belle Fountain. Moses Hall, proprietor; office, Alma; claim, 300 by 1500 feet; located 1875; situated in Mosquito gulch, three miles from Alma and six miles from Fairplay; course of vein, northwest and southeast, width, 22 inches, pay vein, 8 inches; pitch, 45° east; nature of ore, sulphurets and zinc, average value, 75 ounces silver per ton; one shaft, 10 feet deep, one drift, 65 feet in length, and 45 feet from surface.

Blue Jacket. Owned by the Horse Shoe Mining Co., Robert A. Kirker, supt.; office, Fairplay; claim, 300 by 1500 feet; situated on the flats between the north and south fork of Four-Mile creek, ten miles from Fairplay; course of vein, north, 45° east, width, one foot, pitch, 20°; nature of ore, carbonate of lead; main shaft, 30 feet deep.

Brownlow. Owned by the Horse Shoe Mining Co., Robert A. Kirker, supt.; office, Fairplay; claim, 300 by 1500 feet; situated in Horse Shoe mining district, ten miles from Fairplay; course of deposit, north 45° east, width, 5 feet, pitch, 70°; nature of ore, carbonate of lead and copper, average value, $45 per ton; main shaft, 40 feet deep, one tunnel, 70 feet in length; yield, $12,000.

Brownlow Extension. Owned by the Horse-Shoe Mining Co., Robert A. Kirker, supt.; office, Fairplay; claim, 300 by 1500 feet; situated on the eastern slope of Horse Shoe mountain, ten miles from Fairplay; course of vein, north, 45° east, width, 2 feet, pitch, 70°; nature of ore, carbonate of lead, average value, $25 per ton; main shaft, 20 feet deep, one open cut, 30 feet in length; yield, $10,000.

Buckeye. Owned by Americus L. Pogue, Henry Williams and D. H. Dougan, M. D.; office, Alma; claim, 300 by 1500 feet; situated on North Star mountain, Consolidated Montgomery mining district, six miles from Alma, and twelve miles from Fairplay; course of vein, northeast and southwest, width, 4 feet, pitch, 10° west; nature of ore, free gold, average value, $100 per ton; one tunnel, 50 feet in length.

Bullion. Owned by William J. Curtice and Henry Crow; offices, Dudley and Denver, Colorado; claim, 400 by 1500 feet; situated on the north spur of Mount Lincoln, Consolidated Montgomery mining district, six miles from Alma and twelve miles from Fairplay; nature of ore, galena and sulphurets, average value, 200 ounces silver per ton; three tunnels, aggregating 150 feet in length, these are run through large bodies of low grade ore, from which eventually a handsome fortune will be realized. The buildings comprise an ore house, blacksmith shop and dwelling house; yield to date, $5,000,000.

Burchinell Placer. Owned by W. K. Burchinell and A. B. Crook, of Fairplay; claim comprises 600 acres of placer ground, situated in Sacramento gulch, Sacramento mining district, five miles from Fairplay.

Carbonate Mining Co., of Colorado Springs, incorporated October 29, 1877; capital stock, $15,000, in 3,000 shares, $50 each; office, Colorado Springs; trustees, O. C. Knox, T. A. Benbow, F. E. Kimball, Conrad Briegleb, Arthur Peck, J. H. Mathers and William Fensworth.

Chaffee, Joe. John H. Smith, proprietor; office, Fairplay; claim, 300 by 1500 feet; located 1875; situated in Mosquito gulch, five miles from Alma and eight miles from Fairplay; course of vein, northeast and southwest, width, 12 feet, pay vein, 2 feet; nature of ore, gray copper and galena, assay value, 500 ounces silver per ton; two shafts, 20 and 30 feet, respectively, one tunnel, 80 ft. in length.

Champaigne. Benjamin F. Shoemaker and Co., proprietors; office, Alma; claim, 300 by 1500 feet; located 1876; situated in Mosquito gulch, seven miles from Alma and ten miles from Fairplay; course of vein, northeast and southwest, width, 6 feet, pay vein, 3 feet, pitch, 15°; nature of ore, galena, sulphurets and carbonates, average value, 150 ounces silver per ton; two drifts, 150 and 200 feet in length respectively; yield, $2000.

Chespeake. Thomas B. Beauchamp, proprietor; office, Leadville; claim, 50 by 1500 feet; situated on the north spur of Mount Lincoln, seven miles from Alma and thirteen miles from Fairplay; nature of ore, galena, sulphurets and carbonate of lead, average value, 130 ounces silver per ton; one tunnel, 25 feet in length and 25 feet from surface; yield, $300.

Chicago. John S. Borders, proprietor; office, Alma; claim, 200 by 1500 feet; situated on the north spur of Mount Lincoln, Consolidated Montgomery mining district, seven miles from Alma and thirteen miles from Fairplay; nature of ore, galena and gray copper, average value, 120 ounces silver per ton; two tunnels, 15 and 25 feet in length respectively; yield, $4,000.

Chicago. Owned by Americus L. Pogue, Henry Williams and D. H. Dougan, M. D.; office, Alma; claim, 300 by 1500 feet, patented; situated on North Star mountain, Consolidated Montgomery mining district, six miles from Alma and twelve miles from Fairplay; course of vein, northeast and southwest, width, 4 feet, pitch, 10° west; nature of ore, iron and copper pyrites, average value, $75 per ton; main shaft, 250 feet deep, one tunnel, 175 feet in length; boarding house, 20 by 40 feet; yield to date, $100,000.

Chicago and New York Mining and Smelting Co. Incorporated February 27, 1874; capital stock, $500,000, in 5000 shares, $100 each; offices, town of Holland, Colorado, and Chicago, Ills.; organized by Charles, Dwight G. and Park Holland, Jeremiah Laming, Richard S. Thompson and Elijah W. Bontecon. The works of this company are situated in town of Holland, three miles from Alma and four miles from Fairplay.

Chicago Pool Gold and Silver Mining Co., incorporated Oct. 2, 1874; capital stock, $25,000, in 1000 shares, $25 each; office, Chicago; organized by Elisha E. Hundley, William H. Stevens, Henry Paul, John D. Best and Albert A. Cooper; James H. Rees, prest., L. H. Pierce, sec. and treas.

Colorado Mica, Silver and Gold Mining Corporation, incorporated May 4, 1878; capital stock, $500,000, in 50,000 shares, $10 each; office Pueblo; organized by John Fidler, W. W. Hartsell and Joseph Bardine.

Columbia, extension of the Chicago. Owned by Americus L. Pogue, D. H. Dougan, M. D., and Henry Williams; office, Alma; claim, 300 by 1500 feet; situated on North Star mountain, Consolidated Montgomery mining district, six miles from Alma and twelve miles from Fairplay; course of vein, northeast and southwest, width, 4 feet, pitch, 10° west; average value of ore, $75 per ton; one shaft, 250 feet deep, four tunnels, aggregating 600 feet in length, shaft house, 40 by 60 feet.

Comet. Hall Valley Mining Co., proprietors; office, Hall Valley; claim, 300 by 1500 feet, patented; located 1872; situated on Bullion mountain, Hall Valley mining district, twenty-five miles from Fairplay; course of vein, northeast and southwest, width, 2 feet; nature of ore, galena and gray copper; one shaft, 50 feet deep, one tunnel, 200 feet in length.

Commercial. E. Bass and M. H. Mahany, proprietors; office, Fairplay; claim, 300 by 1500 feet; located 1878; situated in Buckskin gulch, Mosquito mining district, five miles from Alma, and ten miles from Fairplay; vertical vein, trending north and south; width, 4 feet; nature of ore, galena, assay value, 20 ounces silver and $15 gold per ton; one shaft, 21 feet deep.

Como. Owned by Horse Shoe Mining Co., and Lyman Fay; office, Alma; claim, 300 by 1500 feet; located 1876; situated on Buckskin mountain, three miles from Alma, and nine miles from Fairplay; course of vein northwest and southeast; width, one foot; nature of ore, sulphurets and galena; average value, 158 ounces silver per ton; three tunnels, 26, 60 and 105 feet in length, respectively.

Compromise. Assyria Hall and George W. Brunk, proprietors; office, Alma; situated on Mount Bross, Montgomery mining district, four miles from Alma and ten miles from Fairplay.

Condor. John R. Lindgren, proprietor; office, Chicago; claim, 300 by 1500 feet, patented; situated on the southern slope of Mount Lincoln, six miles from Alma and twelve miles from Fairplay; course of vein, northwest and southeast; nature of ore, galena and sulphurets; one shaft, 15 feet deep, one tunnel, 80 feet in length, two drifts, 15 feet each.

Confidence. Owned by James Redman, William F. Redman and others; office, Alma; claim 300 by 1500 feet; located 1877; situated in Mosquito gulch; six miles from Alma and nine miles from Fairplay; vertical vein, trending north and south; width, fifteen feet, pay vein, 4 feet; nature of ore, galena and iron pyrites; one adit, 15 feet in length.

Cora Silver Mining Co., incorporated November 5, 1872; capital stock, $500,000, in 5,000 shares, $100 each; office, Golden; organized by H. H. Given, Charles Fleury, G. D. Root, Stephen Z. Hoyle and George Westman.

Danville. owned by John S. Borders and Thomas B. Beauchamp; office, Alma; claim 300 by 1490 feet; situated on the north spur of Mount Lincoln, Consolidated Montgomery mining district, seven miles from Alma and thirteen miles from Fairplay; nature of ore, gray copper and galena; average value, 200 ounces silver per ton, five tunnels, aggregating 200 feet in length; yield, $12,000.

De Los Reyes, Marie. Owned by the Horse Shoe Mining Co., Robert A. Kirker, supt.; office, Fairplay; claim 250 by 1500 feet; situated on the summit of Horseshoe Mountain, ten miles from Fairplay; course of vein, northeasterly; width, 5 feet; pitch, 70°; nature of ore, carbonate of lead; average value, $45 per ton; main shaft, 40 feet; yield $4,000.

Democrat. Owned by Benjamin Hoil and Dr. E. F. Cameron; office, Dudley; claim, 300 by 1500 feet; situated at the eastern base of Mount Lincoln, Consolidated Montgomery mining district, five miles from Alma and eleven miles from Fairplay; vertical vein, trending northeast and southwest; width, 18 inches; nature of ore, oxide of iron; average value, $200 per ton; one shaft, 25 feet deep, one tunnel, 175 feet in length; yield, $10,000.

Dolly Varden. Owned by the Hall & Brunk Silver Mining Co., George W. Brunk, supt.; office Alma; claim 300 by 1500 feet, patented; situated on Mount Bross, four miles from Alma and ten miles from Fairplay; course of vein, southwest and northeast; width 4 feet, pay vein; 3 feet; pitch 15° west; nature of ore, sulphurets of silver; average value for six months, $276.40 per ton; main shaft, 120 feet deep, six tunnels, aggregating 1600 feet in from surface respectively, aggregating 1700 feet in length; this length, twelve levels, 80 to 100 feet property is yielding largely.

Drum Major. Owned by the Hall & Brunk Silver mining Co., George W. Brunk, Supt.; situated on Mount Bross, Consolidated Montgomery mining district, four miles from Alma and ten miles from Fairplay.

Eagle. Owned by the Alma Pool Association; office, Alma; claim, 300 by 1500 feet, patented; situated on the southeastern spur of Mount Lincoln, six miles from Alma and twelve miles from Fairplay; nature of ore, galena and sulphurets, average value, $200 per ton; main shaft, 100 feet deep, five levels, aggregating 150 feet in length.

Eclipse. H. R. Wolcott and J. V. Dexter, proprietors; office, Alma; claim, 150 by 1400 feet; located 1872; situated in Mosquito gulch, six miles from Alma and nine miles from Fairplay; course of vein, northeast and southwest; width, 18 inches, pitch 12° southeast; nature of ore, sulphurets, average value, 200 ounces silver per ton; one shaft, 200 feet deep, four levels, aggregating 245 feet in length.

Eclipse. Owned by Cady, Mullen & Frazer; office, Dudly; claim, 300 by 1500 feet; situated on the north fork of Four Mile creek, ten miles from Fairplay; course of vein, northeast and southwest, width, 8 feet, pitch 75°; nature of ore, carbonate of lead; one shaft, 12 feet deep.

Ella. Owned by Dexter & Shields; office, Alma; claim 300 by 1500 feet; situated on Mount Bross, Consolidated Montgomery mining district, four miles from Alma and ten miles from Fairplay.

Eureka Gold and Silver Mining Co , Colorado, incorporated November 24, 1876; capital stock, $5,000, in 200 shares, $25 each; office Chicago; organized by Albert Cooper, L. H. Pierce, W. H. Stevens, A. B. Wood and William H. Loomis.

Fairplay Gold Mining Co., incorporated June 30, 1874; capital stock, $1,000,000, in 10,000 shares, $100 each; offices, Fairplay and Denver, Colorado; organized by John W. Smith, Frederick A. Clark and Henry Crow. This property extends along the bed of the Platte river for a distance of six miles. It is situated at the town of Fairplay, and has a flume one mile in length. It is operated by E. L. Thayer, and yielded in four months of 1877 $30,000.

Ford. Owned by the Ford Consolidated Gold and Silver Mining Co., incorporated June 2, 1877; capital stock, $1,000,000, in 100,000 shares, $10 each; offices, Fairplay, Colorado, and New York City; trustees, James E. Broome, James A. Betts, James Plant, Charles K. Bill, George L. Hooper, Oliver H. Pierson and James McNassar; claim, 300 by 1500 feet, situated on the east spur of Mount Lincoln, six miles from Alma, and and twelve miles from Fairplay; nature of ore, galena and sulphurets, average value, 200 ounces silver per ton; two tunnels 100 and 150 feet in length respectively, one drift 40 feet in length.

Forlorn Hope. Owned by Dr. E. F. Cameron and M. A. Mahany; office, Dudley; claim, 300 by 1500 feet; situated at the eastern base of Mount Lincoln, five miles from Alma, and eleven miles from Fairplay; nature of ore, sulphurets of silver, average value, 150 ounces silver per ton; one open cut, 12 feet in length, with 15 foot face; yield, $130.

Fortunatis. Owned by Dr. E. F. Cameron, M. A. Mahany and E. Bass; office, Fairplay; claim, 300 by 1500 feet; located 1877; situated in Montgomery mining district, six miles from Alma, and twelve miles from Fairplay; width of vein, 18 inches; nature of ore, oxide of iron, average value, 3 ounces gold per ton; one shaft 18 feet deep.

Fritz. John S. Borders, proprietor; office, Alma; claim, 210 by 1200 feet; situated on the north spur of Mount Lincoln, Montgomery mining district, seven miles from Alma, and thirteen miles from Fairplay; nature of ore, galena and gray copper, value, 250 ounces silver per ton; two tunnels 45 and 65 feet in length respectively; cabin 20 by 24 feet; yield, $1,200.

Gertrude. Owned by Felix McLaughlin, Mrs. Shallcross and Harris & Bass; office, Alma; claim, 50 by 1500 feet; situated on the summit of Mount Lincoln, eight miles from Alma, and twelve miles from Fairplay; nature of ore, galena and sulphurets, average value, 150 ounces silver per ton; one tunnel 100 feet in length, from which a shaft is sunk to a depth of 60 feet.

Gilbert. William F. Kendrick, proprietor; office Alma; claim, 300 by 1500 feet; located 1878; situated on Mount Bross, three miles from Alma, and nine miles from Fairplay; course of vein, northeast and southwest, width, from 4 to 40 inches, pitch, 70°; nature of ore, sulphurets and galena, assay value, 60 to 350 ounces silver per ton; one drift 20 feet in length and 15 feet from surface; yield, $1,000.

Gold Placer Mining Co., organized under the laws of the State of Connecticut, April 16, 1877, capital stock, $5,000,000; offices, Fairplay, Colorado, and Hartford, Conn.; H. G. Angle, prest., C. Burnham, sec., Sydenham Mills, agent.

Gould and Curry. Theodore King, of Georgetown, proprietor; claim, 150 by 1500 feet; located 1873; situated on Bullion mountain, twenty miles from Georgetown, in Hall Valley mining district; vertical vein, running north and south, width, 12 feet, pay vein, 2 feet; nature of ore, galena and iron pyrites, average value, $75 per ton; 3 shafts, aggregate depth 65 feet, 2 levels, aggregate length, 190 feet.

Gray Horse. Owned by the Horse Shoe Mining Co., Robert A. Kirker, supt.; office, Fairplay; claim, 300 by 1500 feet; situated near the south fork of Four Mile creek, ten miles from Fairplay; course of vein, east and west, width, 12 feet, pitch, 75°; nature of ore, carbonate of lead and iron; one shaft 20 feet deep, one tunnel, 25 feet in length.

Greeley Mining, Ditch and Fluming Co., incorporated July 20, 1870; capital stock, $24,000, in 2400 shares, $10 each; office, Hamilton; organized by John Foot, A. M. Greenleaf and George W. Leas.

Gregory. Owned by William F. Kendrick; office, Alma; claim, 300 by 1500 feet; located 1878; situated on Mount Bross, three miles from Alma, and nine miles from Fairplay; course of vein, northeast and southwest, width, 6 to 36 inches; nature of ore, galena and sulphurets, value, 60 to 300 ounces silver per ton; one drift, 60 feet in length and 15 feet from surface.

Guinea Pig. Owned by H. R. Wolcott, J.V. Dexter and George Sidell; office, Alma and Fairplay; claim, 300 by 1500 feet, patented; located 1873; situated on the western slope of Mount Bross, six miles from Alma and twelve miles from Fairplay; course of vein, northeast and southwest, pitch, 15°; nature of ore, galena and sulphurets, value, 80 ounces silver per ton; one drift, 100 feet in length.

Hall and Brunk Silver Mining Co., incorporated May 14, 1877; capital stock, $1,000,000, in 40,000 shares, $25 each; offices, Alma, Colorado, and New York City; E. Boudinot Colt, prest., Assyria Hall, vice prest., John T. Brownlow, sec., George W. Brunk, supt. The property of this company is situated on Mount Bross, Consolidated Montgomery mining district, four miles from town of Alma and ten miles from Fairplay. It comprises 80 acres of the most prominent lode claims on this mountain, together with 160 acres of placer ground, which is located on the Platte river, one mile from town of Dudley. The above mentioned property is patented and in a well developed and paying condition. The principal mines owned by this company are the Dolly Varden, German, Polaris, Iron Dyke, Friday and Undercliff

Hard to Beat. L. Ford and T. Pusks, proprietors; office, Fairplay; claim, 300 by 1500 feet; located 1874; situated in Mosquito gulch, seven miles from Alma and ten miles from Fairplay; course of vein, northeast and southwest, width, 16 feet, pay vein, 5 feet, pitch, 30°; nature of ore, carbonate of lead, average value, 3 ounces gold and 30 ounces silver per ton; two shafts, 14 and 30 feet in depth respectively.

Hathaway, Placer. Charles G. Hathaway and George W. Brunk, proprietors; office, Fairplay; claim comprises 320 acres of placer ground, situated in the Consolidated Montgomery mining district, six miles from Alma and twelve miles from Fairplay.

Haynes. Owned by the Alma Pool Association; office, Alma; claim, 50 by 1500 feet, patented; situated on the southeast spur of Mount Lincoln, six miles from Alma and twelve miles from Fairplay; three shafts, 15, 25 and 50 feet in depth respectively.

Hiawatha. Assyria Hall and George W. Brunk, proprietors; office, Alma; claim, 2000 by 3000 feet; situated on Mount Bross, four miles from Alma and ten miles from Fairplay;course of vein, northeast and southwest, average width, 2 feet, pitch, 15°; nature of ore, black sulphurets, average value, $200 per ton; development, eight tunnels, aggregating 300 feet in length.

Hidden Treasure. W. K. Birchinell and A. B. Crook, proprietors; office, Fairplay; claim, 300 by by 1500 feet; located 1876; situated in Mosquito gulch, Mosquito mining district, six miles from Alma and nine miles from Fairplay; course of vein, northwest and southeast, width, 7 feet, pay vein, 2 feet; nature of ore, sulphurets and galena; two shafts, 35 and 65 feet in depth respectively.

Hill, D. H. Owned by W. H. Weir; office, Alma; claim, 300 by 1500 feet; situated on the north slope of Mount Lincoln, four miles from town of Alma and ten miles from Fairplay.

Hoil. Owned by Benjamin Hoil and E. F. Cameron; office, Dudley; claim, 300 by 1500 feet; situated at the eastern base of

Mount Lincoln, five miles from Alma and eleven miles from Fairplay; nature of ore, galena and sulphurets, average value, 175 ounces silver per ton; four tunnels, 35, 60, 70 and 90 feet in length respectively and four levels aggregating 350 feet in length; yield, $7,000.

Horse Shoe Mining Co., incorporated 1874, A. W. Gill, prest., Robert A. Kirker, supt.; office, Fairplay. The property of this company comprises thirteen lodes or mineral veins, 300 by 1500 feet each, and 1200 acres of patented ground, on which of late, discoveries of carbonates have been made; located in Horse Shoe mining district, ten miles from Fairplay.

Juniata. Assyria Hall and George W. Brunk, proprietors; office, Alma; situated on Mount Bross, Montgomery mining district, four miles from Alma and ten miles from Fairplay.

Kansas, and Extension. Jackson & Shelhamer, proprietors; office, Alma; claim, 300 by 3000 feet; located 1876; situated on Buckskin mountain, three miles from Alma and nine miles from Fairplay; course of vein, northeast and southwest, width, 6 feet, pitch, 15°; nature of ore, sulphurets and galena, average value, 180 ounces silver per ton; one shaft, 12 feet deep, three drifts, 40, 75 and 200 feet in length respectively; yield, $15,000.

Ketsby. Owned by Benjamin Hoil and Dr. E. F. Cameron; office, Dudley; claim, 300 by 1500 feet; situated at the eastern base of Mount Lincoln, five miles from Alma and eleven miles from Fairplay; vertical vein, trending north and south, width, 14 inches; nature of ore, iron and copper pyrites, average value, $52 per ton; one shaft, 25 feet deep, one tunnel, 30 feet in length; yield, $500.

Keystone. Owned by D. Sheahan, J. G. Marshall and R. B. Whilston; office, Dudley; claim, 300 by 1500 feet, patented; situated in Mosquito gulch, six miles from Alma and nine miles from Fairplay; course of vein, northeast and southwest, width, 8 inches, pitch, 45° southeast; nature of ore, galena and sulphurets, average value, 200 ounces silver per ton; one shaft, 100 feet deep, one level, 100 feet and one drift, 45 feet in length; yield, $5,000.

K. P. T. J. Hughes and S. P. Lunt, proprietors; office, Alma; claim, 300 by 1500 feet; situated in Mosquito gulch, four miles from Alma and seven miles from Fairplay; course of vein, north and south, width, 2 feet, pitch, 40°; nature of ore, free gold; two drifts, 60 and 130 feet in length respectively.

Last Chance. Owned by Samuel McMillan, Benjamin Graham, Charles Defebaugh and James Brennan; office, Fairplay; claim, 300 by 1500 feet; situated at the head of the north fork of Four mile and Horse Shoe creeks, ten miles from Fairplay; course of vein, northeast and southwest, width, 3 feet, pitch, 70°; nature of ore, carbonate of lead, average value, $40 per ton; one shaft, 20 feet deep, one tunnel, 75 feet in length.

Leftwick. Hall Valley Mining Co., proprietors; office, Hall Valley; claim, 300 by 1500 feet, patented; located 1872; situated on

Bullion mountain, Hall Valley mining district, twenty-five miles from Fairplay; course of vein, northeast and southwest, width, 3 feet; nature of ore, galena and gray copper.

Lime. Owned by Assyria Hall and George W. Brunk; office, Alma; claim, 50 by 1500 feet; situated on the north spur of Mount Lincoln, seven miles from Alma, and thirteen miles from Pairplay; nature of ore, galena and sulphurets, value, $250 per ton, one surface opening 70 feet in length; yield, $7,000.

Lincoln Silver Mining Co., of Colorado, incorporated May 6, 1874; capital stock, $100,000, in 5,000 shares, $20 each; offices, Dudley and Denver, Colorado; organized by Judson H. Dudley, Fred. A. Clark, Jas. B. Cass, Elihu C. Wilson.

Little Nell. Owned by Thomas and Alfred Willey; office, Fairplay; claim, 300 by 1500 feet; located 1877; situated in Horse Shoe mountain, Mosquito mining district, seven miles from Fairplay; course of vein, northeast and southwest, width, 6 feet, pay vein, 6 inches; nature of ore, galena and gray copper, average value, 61 ounces silver per ton; one shaft, 25 feet deep.

London. L. Ford and T. Pusks, proprietors; office, Fairplay; claim, 300 by 1500 feet; located 1874; situated in Mosquito gulch, seven miles from Alma and ten miles from Fairplay; course of vein, northeast and southwest, width, 16 feet, pay vein, 5 feet, pitch, 30°; nature of ore, carbonate of lead, average value, 3 ounces gold and 30 ounces silver per ton; two drifts, 103 and 285 feet in length, respectively.

Lone Star. Ira and Joshua Mulock, proprietors; office, Alma; claim, 300 by 1500 feet; located 1873; situated in Mosquito gulch, seven miles from Alma, and ten miles from Fairplay; vertical vein, trending north and south, width, 6 feet, pay vein, 4 feet; nature of ore, sulphurets, average value, 200 ounces silver per ton; one shaft, 230 feet deep, five levels, aggregating 200 feet in length; yield, $12,000; shaft house, 30 by 30 feet.

Madagascar. Hall Valley Mining Co., proprietors; office, Hall Valley; claim, 300 by 1500 feet; located 1872; situated on Bullion mountain, Hall Valley mining district, twenty-five miles from Fairplay; course of vein, northeast and southwest; one drift, 150 feet in length.

Magnolia. Lyman Fay, proprietor; office, Alma; claim, 300 by 1500 feet; located 1876; situated on Silver Lake hill, Consolidated Montgomery mining district, seven miles from Alma and thirteen miles from Fairplay; course of vein, north and south, width, 4 feet, pay vein, 2 feet, pitch, 10°; nature of ore, free gold, average value, $200 gold per cord; one shaft, 30 feet deep, one drift, 100 feet in length, one level, 50 feet in length and 20 feet from surface; yield, $10,000.

Mannion. Owned by William Mannion and Co.; office, Alma; claim, 300 by 1500 feet; situated on the north east spur of Mount Bross, four miles from town of Alma and ten miles from Fairplay; horizontal deposit, trending southeast and northwest; nature of ore, sulphurets of silver and galena, value, 75 to 250 ounces silver per ton; developed by a shaft, 15 feet deep, and a drift, 55 feet in length.

McDonald. Miles McDonald and James Moynahan, proprietors; office, Alma; claim, 300 by 1500 feet; located 1877; situated on Iron hill, California mining district, one mile from Leadville; course of vein, north and south, width, 22 inches, pitch, 70° east; nature of ore, carbonate of lead, average value, 82 ounces silver per ton; main shaft, 132 feet deep, and two other shafts, 50 and 76 feet in depth respectively.

Miller. Owned by Assyria Hall and George W. Brunk; office, Alma; claim, 50 by 1500 feet; situated on the north spur of Mount Lincoln, seven miles from Alma and thirteen miles from Fairplay; nature of ore, galena and sulphurets, value, $200 per ton; one tunnel, 45 feet in length; yield, $7,000.

Millionaire Mining and Tunneling Co., incorporated January 19, 1876; capital stock, $250,000, in 25,000 shares, $10 each; office, Denver; William F. McClelland, prest., Jacob L. Peabody, vice prest., John Kiefer, treas., Frank M. Davis, sec., James S. Dillon, asst. sec. The property of this company is situated on Grand View mountain, Hall Valley mining district, twenty-five miles from Fairplay. It comprises the Millionaire, Lavina, Central and Lucky lodes; developed by a tunnel 300 feet in length.

Mills & Co.'s Placer. Owned by Sydenham Mills, Henry W. Hodges, John and Crawford Reed, Alfred Ward and Clark S. Topping; situated in town of Alma, at the confluence of the Platte and Buckskin rivers. This property has been successfully worked since 1870, comprises 600 acres of patented ground and has three miles of ditch, carrying 1000 inches of water. It is worked by hydraulic pressure and has yielded to date $80,000.

Milwaukee. Assyria Hall and George W. Brunk, proprietors; office, Alma; situated on Mount Bross, Montgomery mining district, four miles from Alma and ten miles from Fairplay.

Minerva. Owned by Thomas Willey and C. S. Eyster; office, Denver; claim, 200 by 1500 feet; discovered 1874; situated in Sacremento gulch, seven miles from Fairplay; nature of ore, carbonate of lead, value, 100 ounces silver per ton; one shaft 20 feet deep.

Missouri. Owned by F. M. Rainey and John Ifinger; office, Fairplay; claim, 300 by 1500 feet; situated on the flats, near south fork of Four Mile creek, ten miles from Fairplay; course of vein, northeast and southwest, pitch, 70°; nature of ore, carbonate of lead; one shaft 15 feet deep.

Moose. Owned by the Moose Mining Co., incoporated April 15, 1872; capital stock, $2,000,000, in 200,000 shares, $10 each; offices, Dudley, Colorado, and 62 Broadway, New York; organized by Daniel Plummer, Richard B. Ware, Joseph H. Myers, Andrew W. Gill and Judson H. Dudley; Daniel B. Allen, prest., Charles M. Stead, vice prest., Harry Allen, sec., Jacob Houghton, supt. The property of this company is well developed, and situated on the north slope of Mount Bross, four miles from town of Dudley and ten miles from Fairplay. It comprises twenty-five lodes or mineral veins, covering 160 acres of the surface. The vein is a contact deposit; the ore is galena, sulphurets and zinc-blende, ranging in value from 40 to 700 ounces silver per ton. The buildings consist of a blacksmith shop, ore houses, a boarding house with accommodations for 80 men, the office, and the works. The works have a capacity for treating 10 tons of ore per day, they cover one acre of ground, and are situated beside the Platte river, in town of Dudley, one mile from Alma, and seven miles from Fairplay.

Moss Vale. Owned by John S. Borders and Thomas B. Beauchamp; office, Alma; claim, 210 by 1200 feet; situated on the north spur of Mount Lincoln, Consolidated Montgomery mining district, seven miles from Alma and thirteen miles from Fairplay; nature of ore, galena, sulphurets and carbonate of lead, average value, 150 ounces silver per ton; two tunnels, 45 and 100 feet in length respectively; yield in 1877, $20,000.

Mother. L. Ford and T. Pusks, proprietors; office, Fairplay; claim, 300 by 1500 feet, patented; located 1873; situated in Mosquito gulch, seven miles from Alma, and ten miles from Fairplay; course of vein, northeast and southwest, width, 16 feet, pay vein, 5 feet, pitch, 30°; nature of ore, carbonate of lead, average value, 30 ounces silver and 3 ounces gold per ton; two drifts 20 and 130 feet in length respectively.

Mount Bross Tunneling Co., organized under the laws of the State of New York, May 14, 1877; capital stock, $2,000,000, in 200,000 shares, $10 each; offices, Alma, Colorado, and New York City; George W. Brunk, prest., Henry S. Vanderbilt, sec., George W. Brunk, manager; Assyria Hall, John T. Brownlow and Aaron H. Cragin, directors; claim, 300 by 3000 feet; situated on Mount Bross, four miles from town of Alma and ten miles from Fairplay; length of tunnel, 300 ft.

Mount Lincoln Improvement Co., incorporated August 10, 1875; capital stock, $50,000, in 5,000 shares, $10 each; office, town of Alma; organized by William A. Hawkins, William E. Musgrove, Henry R. Wolcott and James V. Dexter.

Mountain Boy. Owned by William Sigafus, M. W., W. K. and C. S. Smith.

Mountain Lion. Owned by S. I. and H. F. Smith; office, Alma; claim, 300 by 1500 feet; situated on Mosquito mountain, six miles from Alma, and thirteen miles from Fairplay; course of vein, northeast and southwest, width, 35 feet, pitch, 10° southwest; nature of ore, oxide of iron and iron pyrites, average value, $30 per ton; one shaft 65 feet deep, one tunnel 35 feet in length.

Mudsill. Owned by C. S. Eyster and Thomas Willey; office, Denver; claim, 300 by 1500 feet; situated in Sacremento gulch, Montgomery mining district, seven miles from Fairplay; width of vein, 2 to 18 inches; nature of ore, carbonate of lead; one shaft 10 feet deep.

Musk Ox. Owned by the Musk Ox Gold and Silver Mining Co., of Colorado; incorporated January 21, 1878; capital stock, $500,000, in 50,000 shares, $10 each; office, Denver, Colorado, and New York City; trustees, Charles K. Bill, Alexander R. Chisholm, Oliver H. Pierson, Jonas O. Molander, John J. Vandemoer, Edward P. Fowler, William L. Woodruff, James McNassar and Theodore D. Jervey; claim, 300 by 1500 feet; situated on the eastern spur of Mount Lincoln, six miles from Alma, and twelve miles from Fairplay; nature of ore, galena and sulphurets, average value, 200 ounces silver per ton; three tunnels 30, 60 and 120 feet in length respectively.

New Jersey. Owned by W. P. Cook and Windham S. Sayer and James Moynahan; office, Alma; claim, 300 by 1500 feet; situated in Mosquito gulch, Mosquito mining district, two miles from Alma, and eight miles from Fairplay; course of vein, northeast and southwest; nature of ore, iron and copper pyrites, value, $60 per ton; main shaft, 50 feet deep, three drifts, 85, 100 and 150 feet in length respectively; yield, $10,000.

Nova Zembla. George W. Brunk and C. G. Hathaway, proprietors; office, Fairplay; claim, 300 by 1500 feet; patented; located 1875; situated in Montgomery mining district, six miles from Alma, and twelve miles from Fairplay; course of vein, northwest and southeast, width, 6 feet, pay vein, 3 feet; nature of ore, free gold, average value, $100 gold per ton; main shaft, 185 feet deep, and two other shafts, aggregating 145 feet in depth, one tunnel 70 feet in length.

Occidental. Owned by Nelson Hallock and Samuel Davidson; office, Alma; claim, 50 by 1500 feet; situated on the eastern slope of Mount Lincoln, Montgomery mining district, seven miles from Alma, and thirteen miles from Fairplay; nature of ore, galena and sulphurets, average value, $100 per ton; two tunnels aggregating 150 and 300 feet in length respectively; shaft house 14 by 16 feet.

Ohio. Owned by the Horse Shoe Mining Co., Robert A. Kirker, supt.; office, Fairplay; claim, 300 by 1500 feet, situated on the flats, between the forks of Four mile creek, ten miles from Fairplay; course of vein, 52°, 45 min. east, width, 2 feet, pay vein, one foot, pitch, 70° southeast; nature of ore, carbonate of lead, average value, $45 per ton; main shaft 60 feet deep; yield, $2,000.

Ophan Boy Mining and Tunnel Co., incorporated December 4, 1874; capital stock, $250,000, in 2,500 shares, $100 each; offices, town of Mosquito and Denver, Colorado; organized by Henry Crow, John W. Smith, Charles M. Taylor, Samuel Leach and William U. Johnston.

Pans. L. Ford and T. Pusks, proprietors; office, Fairplay; claim, 300 by 1500 feet, patented; located 1874; situated in Mosquito gulch, seven miles from Alma and ten miles from Fairplay; course of vein, northeast and southwest, width 16 feet, pay vein, 5 feet; pitch, 30°; nature of ore, carbonate of lead, average value, 3 ounces gold and 30 ounces silver per ton; four drifts, aggregating 193 feet in length.

Park Pool Co., incorporated December 17, 1875; capital stock, $100,000, in 1,000 shares, $100 each; office, Black Hawk; organized by Nathaniel P Hill, J. A. Thatcher, H. R. Wolcott, William H. Stevens and H. Bieger.

Peabody, Placer. Lelon Peabody, proprietor; situated on Tarryall creek, at town of Hamilton, fifteen miles from Fairplay.

Peerless. Owned by James H. B. McFerran of Colorado Springs; claim, 300 by 3000 feet; situated on Horse Shoe mountain, Horse Shoe mining district, five miles from town of Eureka, and ten miles from Fairplay; course of vein, northeast and southwest, width, 5 feet, pitch, 50°; nature of ore, galena and carbonates, average value, 30 ounces silver, and 1¼ ounces gold per ton; main shaft, 40 feet deep, aggregate length of tunnels, 180 feet; yield $10,000.

Phillips. N. J. Bond, proprietor; office, Council Bluffs, Iowa; claim, 300 by 1500 feet; situated in Buckskin gulch, Buckskin mining district, one mile and a half from Alma, and seven miles from Fairplay; vertical vein, trending north and south, width, 50 feet; nature of ore, free gold, average value, $100 gold per ton; one shaft, 200 feet deep, three drifts, aggregating 62 feet in length; yield, $500,000.

Platte Valley Placer Gold Mining Co., incorporated March 6, 1878; capital stock, $3,000,000, in 300,000 shares, $10 each; offices, Denver, Colorado, and New York city; trustees, Henry Crow, Walter S. Cheesman, John W. Smith, Edward E. Hartwell, Samuel Leach, T. W. B. Hughes and H. G. Angle.

Pleasant Valley Placer Mining Co., incorporated October 29, 1872; capital stock, $8,000; organized by Stephen H. Pease, John Mechling, Thomas J. Freeman, George E. Pease, Albert B. Crook, Aden Alexander, Sylvestus A. Safford and Daniel H. Wilson.

Present Help. Owned by Louis Dugal and the estates of Breece and Witter; office, Denver; claim, 300 by 1500 feet; discovered 1870; situated near the summit of Mount Lincoln, Montgomery mining district, four miles from Alma and ten miles from Fairplay; nature of ore, gray copper, average value, $100 per ton; main shaft, 50 feet deep; two levels, 60 and 180 feet in length, respectively; yield to date, $2,300.

Prince Albert Tunnel. Owned by William Sigafus, M. W., W. K. and C. S. Smith; office, Alma; claim, 300 by 6,000 feet; situated in Mosquito mining district, six miles from Alma and twelve miles from Fairplay; nature of ore, gray copper and galena, average value, 100 ounces silver per ton.

Queen of the Hills. Nelson Hallock & Co., proprietors; office, Alma; claim, 300 by 1500 feet; located 1876; situated in Mosquito gulch, seven miles from Alma and ten miles from Fairplay; course of vein, north and south, width, 2 feet, pay vein; 15 inches, pitch, 60°; nature of ore, galena and carbonate of lead, average value, $160 silver per ton; one shaft, 65 feet in depth, two levels, aggregating 160 feet in length; yield, $15,000.

Queen of the West. Owned by James G. Brooks, Frank Kaley and W. N. Dameron; office, Alma; claim, 300 by 1500 feet, situated on the eastern slope of Mount Lincoln, Montgomery mining district, six miles from Alma and twelve miles from Fairplay; vertical vein, trending northeast and southwest, width, 6 feet; nature of ore, galena and iron pyrites, average value, 15 ounces silver per ton; one tunnel, 100 feet in length.

Rendezvous. John S. Borders, proprietor; office, Alma; claim, 150 by 1500 feet; situated on the north spur of Mount Lincoln, Montgomery mining district, seven miles from Alma and thirteen miles from Fairplay; nature of ore, sulphurets, galena and carbonate, value, 95 to 400 ounces silver per ton; one tunnel, 100 feet in length and twenty feet from surface, two levels, 40 and 60 feet in length respectively; this mine has yielded in twelve months $23,000.

Rip Van Winkle. Lyman Fay, proprietor; office, Alma; claim, 300 by 1500 feet; located 1877; situated in Montgomery mining district, six miles from Alma and twelve miles from Fairplay; course of vein, north and south, width, 3 feet, pay vein, 2 feet, pitch, 10°; nature of ore, free gold, average value, $200 per cord; two shafts, 25 and 30 feet respectively, one adit, 56 feet in length.

Rob Roy. Owned by the Musk Ox Gold and Silver Mining Co.; offices, Denver, Colorado, and New York City; claim, 300 by 1500 feet; situated on the eastern spur of Mount Lincoln, Montgomery mining district, six miles from Alma and twelve miles from Fairplay; nature of ore, galena and sulphurets, average value, 100 ounces silver per ton; one shaft, 30 feet deep.

Russia. Owned by the Russia Silver Mining Co., organized under the laws of the state of New York, December 5, 1876; capital stock, $600,000, in 60,000 shares, $10 each; offices, Alma, Colorado, and Chicago, Ills., Americus L. Pogue, prest., John H. Webber, vice prest., E. Graham Haight, sec. and treas., D. H. Dougan, M. D., supt.; claim, 400 by 1500 feet, patented; situated on Mount Lincoln, Montgomery mining district, five miles from Alma and eleven miles from Fairplay; nature of ore, sulphurets and galena, average value, 140 ounces silver per ton; development, two tunnels, 40 and 500 feet in length respectively, nine levels, aggregating 300 feet in length; yield, $100,000.

St. Marys. Moses Hall, proprietor; claim, 300 by 1500 feet; located 1874; situated in Mosquito gulch, five miles from Alma, and eight miles from Fairplay; course of vein, northeast and southwest, width, 14 inches, pitch, 40°; nature of ore, sulphurets and galena, average value, 45 ounces silver per ton; one drift 35 feet in length and 35 feet from surface.

Saltiel, Mica and Porcelain Co., incorporated June 17, 1878; capital stock, $1,000,000, in 100,000 shares $10 each; office, Denver; trustees, John Elsner, Emanuel H. Saltiel, David I. Ezekiel, A. M. Ghost and A. C. Fisk.

Schiller. Otto Mangold and C. C. McCarthy, proprietors; office, Alma; claim, 300 by 1500 feet; located 1877; situated in

Mosquito gulch, six miles from Alma, and nine miles from Fairplay; vertical vein, trending east and west, width, 8 feet, pay vein, 30 inches; nature of ore, gray copper and galena, average value, 90 ounces silver per ton; one shaft 75 feet deep, one drift 20 feet in length, one level 58 feet in length, and 45 feet from surface; yield, $3,500.

Security. Owned by the Chicago Pool, Gold and Silver Mining Co., incorporated October 2, 1875; capital stock, $25,000, in 1,000 shares, $25 each; office, Chicago; organized by Elisha E. Hundley, William H. Stevens, Henry Paul, John D. Best and Albert A. Cooper, James H. Rees, prest., L. H. Pierce, sec. and treas., claim, 300 by 1500 feet, patented; situated on Mount Bross, Montgomery mining district, three miles from Alma, and nine miles from Fairplay; nature of ore, iron pyrites, average value, $80 per ton; one tunnel 700 feet in length, and 180 feet from surface.

Sedgwick. Owned by the Horse Shoe Mining Co., Robert A. Kirker, supt.; office, Fairplay; claim, 300 by 1500 feet; situated on the north fork of Four Mile creek, ten miles from Fairplay; course of vein, north, 52° and 30 min. east, width, 5 feet, pitch, 68°; nature of ore, carbonate of lead and copper, average value, $45 per ton; main shaft, 70 feet; yield, $10,000.

Shamrock Property. Owned by John T. Brownlow, William H. James and P. H. Barron; office, Alma; claim comprises 35 acres of mineral land; situated on the northwest slope of Mount Bross, Consolidated Montgomery mining district, six miles from Alma and twelve miles from Fairplay; nature of ore, sulphurets and oxide of iron, average value, 50 ounces silver per ton; two tunnels, 30 and 50 feet in length respectively.

Shamrock. Owned by Hanrahan and McAndrews; office, Alma; claim, 300 by 1500 feet; situated on Mount Bross, Consolidated Montgomery mining district, four miles from Alma and ten miles from Fairplay.

Silver Chief. Owned by estate of Henry Knight; claim, 300 by 1500 feet; discovered 1873; located on Bullion mountain, Park mining district, near town of Montezuma; course of vein, northeast and southwest, width, 7 feet, pay vein, one foot; development, one shaft, 51 feet, and one tunnel, 45 feet.

Silver Exchange. Owned by S. I. and H. F. Smith; office, Alma; claim, 300 by 1500 feet; situated on Mosquito mountain, six miles from Alma and twelve miles from Fairplay; course of vein, northeast and southwest, width, 4 feet, pay vein, 6 inches, pitch, 10° southeast; nature of ore, gray copper and galena, value, 300 to 1500 ounces silver per ton; one shaft, 15 feet deep, one tunnel, 70 feet in length; yield, $300.

Silver Gem. Owned by James Moynahan, William H. Stevens and Elisha E. Hundley; office, Alma; claim, 300 by 1500 feet; patented; situated on the western slope of Mount Bross, six miles from Alma and twelve miles from Fairplay; course of vein, northeast and southwest; nature of ore, galena and sulphurets, value 80 ounces silver per ton; one shaft, 30 feet deep, one tunnel, 60 feet and one drift 59 feet in length; ore house, blacksmith and dwelling house; yield, $7,000.

Silver Queen. Owned by Geo. H. Rummel, S. B. Hayden and R. H. Wright; office, Alma; claim, 300 by 1500 feet; located 1878; situated on Mosquito gulch, six miles from Alma, and twelve miles from Fairplay; course of vein, northeast and southwest, width, 4 feet, pay vein, one foot, pitch, 45° east; nature of ore, sulphurets and galena, average value, 77 ounces silver per ton; one adit, 10 feet in length, with 12-foot face.

Silver Saddle. Owned by Williams and Trevan; office, Alma; claim, 300 by 1500 feet; situated on Mount Bross, four miles from Alma and ten miles from Fairplay; value of ore, $75 per ton; one shaft, 100 feet deep.

Spar. Owned by the Horse Shoe Mining Co., Robert A. Kirker, supt.; office, Fairplay; claim, 300 by 1500 feet; situated on the north fork of Four-Mile creek, ten miles from Fairplay; course of vein, northeast and southwest, width, 6 feet, pitch, 70°; nature of ore, galena, spar, iron and carbonate of lead; one shaft, 20 feet deep, one surface, opening 15 feet in length; yield, 500.

Spotted Hornet. Owned by the Horse Shoe Mining Co., Robert A. Kirker, supt.; office, Fairplay; claim, 300 by 1500 feet; situated on the flats between the north and south forks of Four-Mile creek, ten miles from Fairplay; course of vein, north 45° east, width, one foot, pitch, 70°; nature of ore, carbonate of lead, average value, $25 per ton; two shafts, 20 feet in depth each.

Tarryall Creek Mining Co., incorporated August 7, 1874; capital stock, $100,000, in 1000 shares, $100 each; office, Fairplay; organized by James Luttrell, Chas. L. Hall, William Christian, Thos. T. Welley, James R. Olliver, Hugh Murdock, L. W. Lewis and Assyria Hall.

Tarryall Diggings. Owned by Assyria Hall and others; claim comprises 380 acres of placer ground, situated near town of Hamilton eighty miles from Denver; this property has been worked since 1859, the deposit is from 7 to 40 feet in depth and the improvements consist of cabins, ditches and flumes.

Ten-Forty Silver Co., incorporated February 7, 1870; capital stock, $80,000, in 800 shares, $100 each; office, Denver; organized by Charles M. Mullen, William J. Palmer, Horace A. Gray, Walter S. Cheesman, David H. Moffat, Jr., and John Evans.

Thatcher, Joe. Assyria Hall and George W. Bunk, proprietors; office, Alma; situated on Mount Bross, Montgomery mining district, five miles from Alma and, ten miles from Fairplay.

Treasury. Owned by the Horse-Shoe Mining Co., Robert A. Kirker, supt.; office, Fairplay; claim, 300 by 1500 feet; situated in Horse-Shoe mining district, ten miles from Fairplay; course of deposit, 52° north and 30° east, width, 3 feet, pitch, 70°; nature of ore, carbonate of lead, average value, $20 per ton; main shaft, 40 feet deep; yield, $1,000.

True Blue. Owned by the Alma Pool Association; office, Alma; claim, 50 by 1500 feet; situated on the southeast spur of Mount Lincoln, six miles from Alma and twelve miles from Fairplay; nature of ore, galena and sulphurets, average value, $100 per ton; one shaft, 25 feet deep, three tunnels, 40, 50 and 100 feet in length, respectively.

U. P. T. J. Hughes and S. P. Lunt, proprietors; office, Alma; claim, 300 by 1500 feet; situated in Mosquito gulch, four miles from Alma and seven miles from Fairplay; vertical vein, trending north and south, width, 18 inches; nature of ore, galena and iron pyrites, one drift, 126 feet in length.

Whale. Hall Valley Mining Co., proprietors; office, Hall Valley; claim, 300 by 1500 feet; located 1872; situated on Bullion mountain, Hall Valley mining district, twenty-five miles from Fairplay; course of vein, northeast and southwest, width, 3 feet, pitch, 45°; nature of ore, galena and gray copper, average value, 115 ounces silver per ton; four drifts, aggregating 1,960 feet in length

Wilson. Owned by Assyria Hall and George W. Bunk; office, Alma; claim, 50 by 3000 feet, patented; situated on the north spur of Mount Lincoln, seven miles from Alma and thirteen miles from Fairplay; nature of ore, galena and sulphurets, value, 80 to 400 ounces silver per ton; four tunnels, 10, 40, 50 and 60 feet in length, respectively; yield, in 1878, $5,000.

Ypsilanti. Hall Valley Mining Co., proprietors; office, Hall Valley; claim, 300 by 1500 feet; situated on Bullion Mountain, Hall Valley mining district, twenty-five miles from Fairplay; Course of vein, northeast and southwest, width, 3 feet; nature of ore, galena and gray copper, average value, 85 ounces silver per ton; one shaft, 40 feet deep, one tunnel, 72 feet in length, one drift, 120 feet in length.

ORE MILLS

And Milling Incorporations.

Alma Branch, Boston and Colorado Smelting Co.; erected in 1874, Henry Williams, supt.; situated in town of Alma, one hundred miles from Denver; have a capacity for treating 25 tons of ore daily.

Chicago and New York Mining and Smelting Co., incorporated February 27, 1874; capital stock, $500,000, in 5,000 shares, $100 each; offices, town of Holland, Colorado, and Chicago, Illinois; organized by Charles, Dwight G. and Park Holland, Jeremiah Laming, Richard S. Thompson and Elijah W. Bonticon; the works of this company are situated in town of Holland, three miles from Alma and four miles from Fairplay.

Hall Valley Smelting Works. Owned by the Hall Valley Mining Co.; J. G. Jebb, agent; located in Hall Valley; have a capacity for treating 10 tons of ore in 24 hours.

Mount Lincoln Sampling Works. Located in town of Alma, six miles from Fairplay.

Moose Mining Co.'s Works; have a capacity for treating 10 tons of ore daily; they cover one acre of ground and are situated beside the Platte river, in town of Dudley, one mile from Alma and seven miles from Fairplay.

Sampling Works of A. R. Meyer & Co.; Philip T. Amm, manager; situated in town of Alma, six miles from Fairplay; have capacity for treating 20 tons of ore in 10 hours.

South Park Smelting and Reduction Works. Owned by J. H. B. McFerran, J. S. Wolfe and C. H. White; situated in town of Eureka; have a capacity for treating 10 tons of ore in 24 hours; the main building is 60 by 100 feet and contains an engine, crushers, rollers, etc.

PUEBLO COUNTY.

Pueblo Reduction Works. Owned by the Pueblo Lixiviation Co., located in Pueblo; have a capacity for treating 5 tons of ore daily.

Pueblo Smelting Works. Owned by J. C. Mather and A. W. Geist; situated at the crossing of the Atchison, Topeka & Santa Fe and Denver & Rio Grande railroads, one mile from Pueblo; have a capacity for the treatment of 40 tons of ore daily.

Rocky Mountain Mica Co., incorporated September 15, 1877; capital stock, $1,000,000, divided into 100,000 shares, $10 each; offices, Pueblo, Colorado, and New York city; trustees, George M. Chilcott, James Carlisle, James McDonald, Joseph Bardine, Robert H. Speer, Emanuel H. Saltiel and Helen M. Ghost.

RIO GRANDE COUNTY.

The area of this county is 1,000 square miles. It is bounded north by Saguache county, east by Costilla and Conejos, west by Hinsdale and south by Conejos. The population is 5,000, and the bullion product for 1878, $78,000.

American Flag. Owned by John R. Burrows and Lewis C. Smith; offices, Summit, Del Norte and Denver, Colorado; claim, 300 by 1500 feet; located 1876; situated on the north slope of South mountain, near town of Summit, twenty-seven miles from Del Norte; course of vein, northeast and southwest, width, 5 feet, pitch, 15° south; nature of ore, iron pyrites, average value, $20 per ton; development, one surface opening, 20 feet in length; yield, $600.

Baker. Owned by the Baker Mining Co., William H. Baker, John R. Burrows and John H. Young; offices, Summit and Del Norte; claim, 300 by 1500 feet; located 1876; situated on the north slope of South mountain, near town of Summit, twenty-seven miles from Del Norte; course of vein, northwest and southeast, width, 9 feet, pay vein, 5 feet, pitch, 15° south; nature of ore, iron pyrites and free gold, average value, $32 per ton; two surface openings, 20 and 75 feet in length respectively; yield, $5,000.

Columbia. Owned by Peer J. Peterson and W. H. Van Gieson; offices, Summit and Del Norte; claim, 300 by 1500 feet; located 1874; situated on the north slope of South mountain, near town of Summit; twenty-seven miles from Del Norte; vertical vein, trending east and west, width, 12 feet; nature of ore, free gold quartz, average value, $35 per ton; one shaft, 25 feet deep.

Del Norte. Owned by the Little Annie Gold Mining Co., Pear J. Peterson, supt., Charles E. Robins, treas.; office, Summit; claim, 300 by 1500 feet; located 1873; situated on the north slope of South mountain, Summit mining district, near town of Summit; nature of ore, free gold, average value, $44 per ton.

Eighth Wonder. Owned by the Golden Star Gold and Silver Mining Co.; offices, Chicago, Ill., and New York City; claim, 300 by 1500 feet; located June 1874; situated on South mountain, near town of Summit.

Golden Queen. Owned by Johnston Livingston, John J. Crooke, Adams & Posey, Arthur

Burton, Peter Beeker, Joseph S. Reef, John A. McDonald, Lucius A. Winchester, J. S. Partridge, Lewis Crooke, William Beck, James L. Hill, Henry B. Clark, F. C. Day, L. C. Smith, R. C. Sheppard and L. C. Baker; office, Summit, Colorado; claim, 300 by 1500 feet; located 1873; situated on South mountain, near town of Summit, twenty-seven miles from Del Norte.

Golden Star. Owned by the Golden Star Gold and Silver Mining Co.; offices, Chicago, Ills., and New York City; claim, 300 by 1500 feet; located June, 1874; situated on South mountain, Summit mining district, twenty-seven miles from Del Norte; nature of ore, free gold, assay value, $20 per ton.

Highland Mary. Owned by the Highland Mary Mining Co., incorporated under the laws of the State of Iowa, May, 1878; capital stock, $2,500,000, in 125,000 shares, $20 each; offices, Summit and Del Norte, Colorado, Creston, Iowa, and Chicago, Ills., R. P. Smith, prest., John Gibson, sec., J. H. Patt, treas.; claim, 300 by 1500 feet; discovered 1874; situated on the northeast side of South mountain, near town of Summit, twenty-seven miles from Del Norte; nature of ore, white iron, average value, $100 per ton; one shaft 30 feet deep, one tunnel 40 feet in length, three adits 25 feet each.

John. Owned by John R. Burrows and Louis C. Smith; office, town of Summit, and Del Norte; claim, 300 by 1500 feet; located 1876; situated on the north slope of South mountain, near town of Summit, twenty-seven miles from Del Norte; course of vein, north and south; nature of ore, iron pyrites; development, one surface opening, 15 feet in length; yield, $200.

Keystone. Owned by Golden Star Gold and Silver Mining Co.; office, Chicago, Ills., and New York City; claim, 300 by 1500 feet; located July, 1874; situated on South mountain, near town of Summit.

Little Annie. Owned by Ferdinand Henry Brandt, Johnston Livingston, Pear J. Peterson, John J. Crooke, Winchester and Partridge, Le Grand Dodge, Henry S. Hoyt, Jr., Lewis Crooke, Eliza S. Winchester, Prof. C. E. Robins and Frank W. Winchester; Pear J. Peterson, supt., Prof. C. E. Robins, treas.; office, town of Summit, Colorado. The property of this company is situated on the north slope of South mountain, and on Wightman's fork of the Alamosa, in town of Summit, twenty-seven miles from Del Norte and fifty-seven miles from the present terminus of the Denver and Rio Grande railway. It comprises the Little Annie, Del Norte and Margaretta gold mines, and 40 acres of placer ground, a 10 stamp mill, an ore house, office and assay laboratory, store, two dwelling houses, retort and charcoal houses, blacksmith shop, mine and mill dumps, tramway, cars and 2500 feet of steel cable, dams, flumes, sluices, &c. The Little Annie was discovered Sept. 13, 1873, and located by Ferdinand Henry Brandt and Pear J. Peterson. The claim is 50 to 300 feet in width, by 1500 feet in length; 600 feet of the superficial length is below and 900 feet above timber line. The trend of the vein is north 15° 15" east and south 15° 15" west. The ore is oxidized iron and free gold, averaging from 50 to 75 dollars per ton; development, a shaft, 90 feet deep, and 5 tunnels, 30, 45, 50, 54 and 150 feet in length respectively. The main mill building is a two-story wooden structure, 32 by 42 feet, with an ell 24 by 28 feet. It was erected in August, 1875, at a cost of $38,578. The mill has a capacity for treating six tons of ore per day and contains 10 stamps, weighing 530 pounds each, a 25 horse power engine, Blake crusher, four Dolly tubs, an agitator and all other necessary machinery. The tramway was built in the spring of 1876 for the purpose of conveying ore from the mine to the mill, a distance of 2135 feet. It has a capacity for delivering 80 tons of ore per day, is furnished with a steel cable 2500 feet in length and two cars, with a carrying capacity of 4800 pounds. The operation is automatic, the loaded car pulling up the empty one, being governed by a brake stationed at the mouth of the mine.

Little Ida. Owned by the San Juan Consolidated Gold and Silver Mining Co.; offices, Del Norte and Denver, Colorado; claim, 300 by 1500 feet, patented; located 1874; situated at town of Summit, twenty-seven miles from Del Norte, immediately west and parallell to the "Little Annie," vertical vein, trending north and south, width, 25 feet; nature of ore, oxidized iron, average value, $20 per ton; two shafts, 25 and 70 feet deep respectively, two drifts from bottom of main shaft 60 feet each.

Little Jessie, southern extension of the Little Annie. Owned by Thomas M. Bowen and F. F. Riggs; office, Del Norte; claim, 300 by 1500 feet; located 1874; situated on South mountain, near town of Summit, twenty-seven miles from Del Norte; vertical vein, trending north and south, width, 25 feet; development, two shafts, 30 feet respectively, and surface opening, 30 feet in length.

Margaretta. Owned by the Little Annie Gold Mining Co., Pear J. Peterson, supt., Charles E. Robins, treas.; office, Summit; claim, 300 by 1500 feet; located 1873; situated on the north slope of South mountain, near town of Summit, twenty-seven miles from Del Norte; nature of ore, free gold, average assay value, $25 per ton.

Moltke. Owned by the Highland Mary Mining Co.; offices, Del Norte, Colorado, Creston, Iowa, and Chicago, Illinois; claim, 300 by 1500 feet; discovered 1874; situated on the north side of South mountain, near town of Summit, twenty-seven miles from Del Norte; vertical vein, trending northeast and southwest, width, 7 feet; nature of ore, iron pyrites and galena, average value, $60 per ton; development, one shaft, 40 feet deep, surface opening, 40 feet in length.

Odin. Thomas M. Bowen, proprietor; office, Del Norte; claim, 300 by 1500 feet; discovered 1874; situated on the north slope of South mountain, Summit mining district, near town of Summit, twenty-seven miles from Del Norte; vertical vein, trending southeast and northwest, width, 25 feet, pay vein, 18 inches to 4 feet; development, two shafts, 22 and 80 feet in depth respectively, one tunnel, 120 feet in length and two drifts from main shaft aggregating 50 feet in length.

Poor Man. Owned by Archie C. Fisk, Charles H. Toll, Otto Ruossou and others; office, Denver; claim, 300 by 1500 feet; located on South mountain, Summit mining district, thirty miles from Del Norte and within 1,000 feet of the justly celebrated Little Annie mine; the development consists of an open cut, 75 feet long, 20 feet in width and 27 feet deep, showing a pay vein of 4 feet in width, the ore averaging $50 per ton. In doing the above amount of work there was taken from this mine 800 tons of ore that is at present on the dump, which it is thought will average $50 per ton.

San Juan Consolidated Gold Mining Co., incorporated August 18, 1875; capital stock, $3,000,000, in 30,000 shares, $100 each; offices, Denver and Del Norte, Colorado; organized by Charles W. Tankersley, Charles F. Gillett, Thomas M. Bowen, and George M. Binckley. The property of this company is situated on South mountain, and on Wightman's Fork of the Alamosa, at and near the town of Summit, twenty-seven miles from Del Norte, and fifty-seven miles from the present terminus of the Denver and Rio Grande Railway. It comprises 15,000 linear feet of lode claims, and a 30-stamp mill.

Silver Brick. Owned by Charles A. Stringham, Thomas Donovan and Russell A. Hibbard; offices, Summit, Colorado, and Creston, Iowa; claim, 300 by 1500 feet; situated on the west side of South mountain, near town of Summit, twenty-seven miles from Del Norte; course of vein, northwest and southeast, width, 6 feet, pay vein, 18 inches, pitch, 10° south; nature of ore, iron pyrites and galena, average value, $50 per ton; main shaft, 25 feet deep.

Summit. Owned by R. F. Adams, Lewis Crooke and Le Grand Dodge; office, Del Norte; claim, 300 by 1500 feet; located 1873; situated on the northeastern slope of South mountain, near town of Summit, assay value of ore, $10 to $200 per ton.

ORE MILLS

AND MILLING INCORPORATIONS.

Bowens Mill. Thomas M. Bowen, proprietor; office, Del Norte; situated on Wightman's Fork of the Alamosa, at town of Summit, twenty-seven miles from Del Norte; has a capacity for treating 36 tons of ore daily; contains 24 stamps, a 40-horse power engine, and all other necessary machinery.

Golden Queen Gold and Silver Mining Co.'s Mill. Situated on Wightman's Fork of the Alamosa, at town of Summit, twenty-seven miles from Del Norte; has a capacity for treating 10 tons of ore daily; contains 10 stamps, a 20-horse power engine, &c.

Golden Star Gold and Silver Mining Co.'s mill. Situated in town of Summit, Summit mining district, twenty-seven miles from Del Norte; contains 10 stamps and a 40-horse power engine; has a capacity for treating 20 tons of ore in 24 hours.

Little Annie Mill. Owned by the Little Annie Gold Mining Co., Pear J. Peterson, superintendent, Charles E. Robins, treas. The mill building is a two story wooden structure, 32 by 42 feet, with an ell 24 by 28 feet. It has cost $38,578, and was erected in August, 1875. It has a capacity for treating six tons of ore daily, and contains 10 stamps, weighing 530 pounds each, a 25-horse power engine, Blake crusher, four dolly tubs, an agitator and all other necessary machinery.

San Juan Consolidated Gold and Silver Mining Co.'s Mill. Situated on Wightman's Fork of the Alamosa, in town of Summit, twenty-seven miles from Del Norte; contains 30 stamps, a 40-horse power engine, and has a capacity for treating 40 tons of ore in 24 hours.

San Juan Smelting Works, incorporated December 5, 1873; capital stock, $50,000, in shares of $100 each; offices, Del Norte and Denver, Colorado; organized by Oscar L. Mathews, Ellis Smith, John J. Epley, Horace H. Powers, James and Samuel McFarland, Orange B. Stoddard, Leonard B. Reid, Cornelius Donovan and William H. Weinrich.

Summit Mill. Owned by R. F. Adams, Lewis Crooke and Le Grand Dodge; this mill was erected in 1874, on Wightman's Fork of the Alamosa, near town of Summit, twenty-seven miles from Del Norte. It is run by steam and water power, and has a capacity for treating 20 tons of ore per day.

SAN JUAN COUNTY.

The area of this county is 726 square miles. It is bounded north by Ouray and Hinsdale, east by Hinsdale county, west by Ouray and south by La Plata. The population is 5,000, and the bullion product for 1878, $201,050.

Aberto. Antonio Aberto and John M. Stuart, proprietors; office, Silverton; claim, 372 by 1500 feet, patented; located 1877; situated on Aberto mountain, Uncompahgre mining district, twelve miles from Silverton; course of vein, northeast and southwest, width, 372 feet, pay vein, 20 feet; nature of ore, gray copper and galena, average value, 75 ounces silver per ton; four drifts, aggregating 90 feet in length; yield, $850.

Addie May. Owned by Samuel Watson, J. G. Morris and B. F. McKinzie; office, Animas Forks; claim, 300 by 1500 feet; located 1876; situated in Picayune gulch, Eureka mining district, two miles from town of Animas Forks and eleven miles from Silverton; course of vein, northeast and southwest, width, 6 feet, pitch, 35°; nature of ore, galena and gray copper, assay value, $171 silver per ton; one adit, 18 feet in length, with 23 foot face.

Adelia. Edward W. and Chas. H. McIntire, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Mineral Point mountain, eighteen miles from Silverton; vertical vein, trending northwest and southeast, width, 30 feet, pay vein, 3 feet; nature of ore, galena, assay value, 200 ounces silver per ton; one shaft, 12 feet deep.

Adelphi. Edward Cree, proprietor; office, Lake City; claim, 300 by 1500 feet; located 1877; situated on Engineer mountain, eighteen miles from Silverton; vertical vein, trending north and south, width 7 feet, pay vein 3 feet; nature of ore, galena and gray copper, assay value, 200 ounces silver per ton; one drift, 28 feet in length and 20 feet from surface.

Admiral. Charles H. McIntire and George N. Propper, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Mineral Point mountain, one mile from Mineral City, and eighteen miles from Silverton; vertical vein, trending northeast and southwest, width of pay vein, 16 inches; nature of ore, galena; one shaft, 18 feet deep.

Alabama. Charles Wickman and J. Swanson, proprietors; office, Silverton; claim, 300 by 1500 feet; located 1875; situated on Poughkeepsie gulch, Uncompahgre mining district, fourteen miles from Silverton; vertical vein, trending northeast and southwest, width, 30 feet, pay vein, 2 feet; nature of ore, galena and gray copper, average value, 200 ounces silver per ton; two adits, 10 and 15 feet in length respectively; yield, $120.

Alaska. Owned by Peterson and Johnson, of Silverton; claim, 300 by 1500 feet; located 1876; situated in Poughkeepsie basin, twelve miles from Silverton; course of vein, north and south, width, 8 feet, pay vein, 3 feet; nature of ore, gray copper, value, 200 ounces silver per ton; development, one shaft, 40 feet deep, and one adit, 15 feet in length; yield, $8,000.

Alice. Owned by Frederick Blaisdale, John Neiswanger, M. Rich and John Spadling, office, Eureka; claim, 300 by 1500 feet, located 1873; situated on the Animas river, near town of Eureka, nine miles from Silverton; vertical vein, trending north and south, width, 5 feet, pay vein, 28 inches; nature of ore, galena and gray copper, average value, 45 ounces silver per ton,; one drift, 50 feet, and one tunnel, 35 feet in length.

Alice. Owned by E. McCarty and Mark Biedell; office, Silverton; claim, 50 by 1500 feet, located 1873; situated two miles from town of Eureka, on south fork of Eureka gulch; vertical vein, trending east and west, width, 3 feet, pay vein, one foot; nature of ore, galena, assay value, $200 per ton; one drift, 30 feet in length and 25 feet from surface.

Alleghany. J. Williamson and E. Howcutt, proprietors; office, Lake City; claim, 300 by 1500 feet; located 1877; situated on Woods mountain, two miles from Mineral City and seventeen miles from Silverton; vertical vein, trending northeast and southwest, width, 7 feet, pay vein, 30 inches; nature of ore, galena, assay value, 75 ounces silver per ton; one drift, 25 feet in length.

Alma. Henry LeClair, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Poughkeepsie mountain, seven miles from Ouray; vertical vein, trending northwest and southeast; width, 20 feet, pay vein, 15 inches; nature of ore, gray copper and brittle silver, assay value, 100 ounces to 1200 ounces silver per ton; one shaft, 19 feet deep.

Almaden. Owned by J. C. Peterson and M. Guinn, of Eureka; claim, 300 by 1500 feet; located 1876; situated on Brown mountain, seven miles from Eureka; course of vein, east and west, width, 73 feet, pay vein 28 inches; nature of ore, galena and iron pyrites; development, one shaft, 20 feet deep, and one adit, 12 feet in length.

Alta. Owned by John Goodin & Co., of Ouray; claim, 300 by 1500 feet; located on Cement creek, six miles from Eureka; course of vein, east and west, width, 50 feet; development, one shaft, 60 feet.

Altoff. J. F. Robison, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on Sultan mountain, Animas mining district, three miles from

Silverton; course of vein, northeast and southwest, width, one foot, pitch, 15° south; nature of ore, galena and gray copper, assay value, 15 to 852 ounces silver per ton; one adit, 25 feet in length, with 16-foot face.

American. C. J. Bilyien & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1874; situated in Niagara gulch, Eureka mining district, one mile from town of Eureka and eleven miles from Silverton; vertical vein trending east and west, width 40 feet, pay vein, 9 feet; nature of ore, galena and gray copper, assay value of ore, 237 ounces silver per ton; one drift, 35 feet in length.

American Boy. Thomas Clege, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1876; situated in Poughkeepsie gulch, fourteen miles from Silverton; course of vein, northwest and southeast, width, 10 feet, pay vein, 18 inches, pitch, 25°; nature of ore, galena and gray copper, assay value, 560 ounces silver per ton; two adits, 10 and 15 feet in length respectively.

Animas Forks Mining Co., incorporated May 3, 1877; capital stock, $250,000; organized by Angus Smith, William Young, William Beck, E. B. Greenleaf and David Vance.

Anna. Owned by J. O. Cessna, M. McGraw and J. T. Bell; office, Silverton; claim, 300 by 1500 feet; located 1875; situated on Mineral mountain, Animas mining district, three miles from Silverton; course of vein, northwest and southeast, width, 3 feet; nature of ore, gray copper and brittle silver; one drift, 40 feet in length and 35 feet from surface.

Annie Laurie. Benjamin R. Eaton, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1876; situated on Galena mountain, Animas mining district, four miles from Silverton; vertical vein, trending northwest and southeast, width, 2 feet; nature of ore, galena and iron pyrites, assay value, 100 ounces silver per ton; one shaft, 30 feet deep.

Arctic. James M. Marshall, proprietor; office, Animas Forks; claim, 300 by 1500 feet; located 1874; situated on Hourding peak, Eureka mining district, three miles from Animas Forks and seven miles from Silverton; course of vein, northeast and southwest, width, 40 feet, pay vein, 3 feet; nature of ore, gray copper, assay value, 600 ounces silver per ton; one adit, 40 feet in length and 20 feet from surface.

Arctic. James W. Platt and Co., proprietors; office, Eureka; claim 300 by 1500 feet; located 1874; situated on Hurricane Peak, Eureka mining district, six miles from town of Eureka, and fourteen miles from Silverton; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, one foot; nature of ore, gray copper, assay value, 100 to 800 ounces silver per ton; one drift, 25 feet in length and 20 feet from surface.

Arctic. Owned by M. Green, S. G. Jeffries and others; office, Animas Forks; claim, 300 by 1500 feet; located 1876; situated on the Animas river, Eureka mining district, two miles from town of Animas Forks and 14 miles from Silverton, course of vein, northwest and southeast, width, 8 feet, pay vein, 30 inches, pitch, 18°;

nature of ore, galena and iron pyrites, assay value, 65 ounces silver, per ton; one adit, 30 feet in length and 20 feet in depth.

Aspen. Owned by Geo. Green and Co., William Mulholland, Thomas Blair and D. Reese; office, Silverton; claim, 300 by 1500 feet; located 1874; situated on Hazelton mountain, Animas mining district, two miles from Silverton; course of vein, northeast and southwest, width, 4 feet, pay vein, 6 to 10 inches, pitch, 15° south; nature of ore, gray copper and galena, average value, 140 ounces silver per ton, and 60 per cent lead; two shafts, 150 and 125 feet in depth, respectively, one tunnel 300 feet in length, intersecting vein at a depth of 250 feet; two levels 150 feet in length each; yield, 100,000.

Badger State. Owned by James Gillett, E. Ray and Dr. Ankney; office, Silverton; claim, 300 by 1500 feet; located 1876; situated in Poughkeepsie gulch. Uncompahgre mining district, thirteen miles from Silverton; course of vein, northeast and southwest, width, 12 feet, pay vein, 18 inches, pitch, 15° east; nature of ore, gray copper and iron pyrites, assay value, 70 ounces silver per ton; one adit, 12 feet and one drift, 40 feet in length.

Bald Eagle. N. Garrett and W. J. Brewster, proprietors; office, Mineral City; claim, 300 by 1500 feet; located 1876; situated on Houghton mountain, Uncompahgre mining district, eighteen miles from Silverton; vertical vein, trending northwest and southeast, width, 60 feet; nature of ore, galena, assay value, 45 ounces silver per ton; one shaft, 20 feet deep, one adit, 12 feet in length.

Bald Eagle. William Girardin, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on Kendall mountain, Animas mining district, two miles from Silverton; course of vein, northwest and southeast, width, 40 feet, pay vein 20 inches, pitch, 30°; nature of ore, gray copper and galena; one shaft, 10 feet deep, one drift, 20 feet in length and 40 feet from surface.

Baldwin. Owned by the J. Baldwin Mining and Reduction Co., incorporated July 21, 1878; capital stock, $500,000, in 50,000 shares, $10 each; offices, Animas Forks, Colorado, and Sharon, Pennsylvania; Peter Kimberly, prest., M. Rich, vice-prest., W. B. Dunham, supt.; claim, 300 by 1500 feet; situated at the head of the south fork of the Animas river, Eureka mining district, three miles from Animas Forks and sixteen miles from Silverton; course of vein, northeast and southwest, width, 240 feet, pitch, 15° south; nature of ore, gray copper and galena; main shaft, 25 feet deep.

Baltic. George Wood, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Mount Abram, fourteen miles from Silverton; vertical vein, trending northeast and southwest, width, 3 feet, pay vein, 18 inches; nature of ore, gray copper and brittle silver, assay value, 100 ounces silver per ton; one drift 25 feet in length.

Baltic. G. Ferguson and A. T. Terrill, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Mineral Point mountain, two miles from Mineral City, and nine miles from Ouray; vertical vein, trending northwest and southeast, width, 40 feet; nature of ore, galena, assay value, 70 ounces silver per ton; three shafts aggregating 34 feet in depth.

Baltimore. Owned by George N. Propper and A. W. Burrows; office, Del Norte; claim, 250 by 1500 feet; located 1874; situated in Uncompahgre mining district, near town of Mineral City, and eighteen miles from Silverton; vertical vein; trending northeast and southwest, width, 12 feet, pay vein, 26 inches; nature of ore, galena, assay value, 60 to 200 ounces silver per ton; one shaft 15 feet deep.

Barber, Frank. Owned by John Meyer, James Dooley and George Rohwer; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Poughkeepsie mountain, nine miles from Ouray; course of vein, northeast and southwest, width, 15 feet, pay vein, 20 inches; nature of ore, sulphurets and gray copper, assay value, 50 to 1500 ounces silver per ton; two drifts, 11 and 20 feet in length respectively.

Bavarian, Muskegon and Dunderberg. Owned by M. J. Condon & Co.; office, Eureka; claim, 300 by 4500 feet; located 1875; situated in Eureka gulch, two miles from Eureka, and ten miles from Silverton; course of vein, northeast and southwest, width, 200 feet; nature of ore, galena and copper pyrites, assay value, 400 ounces silver per ton; two adits, 20 and 30 feet in length respectively, one drift 12 feet in length.

Belcher. Owned by John D. Murphy, George Purcell and J. A. White; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Oberto mountain, twelve miles from Silverton; vertical vein, trending northeast and southwest, width, 100 feet, pay vein, 7 feet; nature of ore, galena and gray copper, average value, 194 ounces silver per ton; two drifts, aggregating 100 feet in length, 12 and 37 feet from surface respectively.

Belcher. Owned by George W. Thompson and L. C. Dunn; office, Denver; claim, 300 by 1500 feet; located 1875; situated in Picayune gulch, three miles from Animas Forks, and eleven miles from Silverton; course of vein, northeast and southwest, width, 100 feet, pitch, 30°; nature of ore, gray copper and carbonates, assay value, 100 ounces silver per ton; one shaft, 25 feet deep.

Bell Isle. William Girardin, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on Sultan mountain, Animas mining district, four miles from Silverton; course of vein, northwest and southeast, width, 6 feet, pay vein, 14 inches; nature of ore, gray copper and galena, assay value, 321 ounces silver per ton; one drift 100 feet in length, and 50 feet from surface.

Belle of the West. George Green & Co., proprietors; office, Silverton; claim, 300 by 1500 feet.

Belle Wether. Olaf Sandstone & Co.; proprietors; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Hurricane peak, Uncompahgre mining district, twelve miles from Silverton; vertical vein; trending northeast and southwest, width, 8 feet, pay vein, 18 inches; nature of ore, gray copper, assay value, 44 ounces silver per ton; one drift, 20 feet in length and 20 feet from surface.

Big Giant. Charles W. McIntire, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1874; situated on Mineral Point mountain, Uncompahgre mining district, one mile from Mineral City and eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 100 feet; nature of ore, gray copper, assay value, 500 ounces silver per ton; one tunnel, 30 feet in length.

Black Crook. Owned by W. R. Mitchell, W. S. Stratton and W. B. Sherman; office, Colorado Springs; claim, 300 by 1500 feet; situated on Green mountain, Animas mining district, four miles from Howardsville and eight miles from Silverton; vertical vein, trending northwest and southeast, width, 5 feet, pay vein, 14 inches; nature of ore, gray copper and galena, value, 160 ounces silver per ton; three adits, aggregating 100 feet in length.

Black Prince. William Jackson & Co., proprietors; office, Animas Forks, claim, 300 by 1500 feet; located, 1876; situated on California mountain, Eureka mining district, two miles from town of Animas Forks, and seventeen miles from Silverton; vertical vein, trending east and west, width, 7 feet; nature of ore, galena and gray copper, assay value, 300 ounces silver per ton; one drift, 25 feet in length.

Blacksmith. George N. Propper and A. W. Burrows, proprietors; office, Del Norte; claim, 282 by 1500 feet; located 1874; situated on Seigle mountain, Uncompahgre mining district, one mile from Mineral City, and eighteen miles from Silverton, vertical vein, trending northeast and southwest, width, 30 feet, pay vein, 3 feet; nature of ore, galena, assay value, 100 ounces silver per ton; one drift 34 feet in length.

Blakely, W. S. W. B. House, proprietor; office, Howardsville; claim, 300 by 1500 feet; located 1877; situated on Tower mountain, Eureka mining district, one mile from town of Eureka, and eight miles from Silverton; course of vein, east and west, width, 15 inches; nature of ore, galena, assay value, 140 ounces silver per ton; one tunnel 25 feet in length, and 14 feet from surface.

Blue Bird. Charles Clase, proprietor; office, Eureka; claim, 300 by 1500 feet; located 1878; situated in Poughkeepsie gulch, Uncompahgre mining district, nine miles from Ouray; course of vein, northeast and southwest, width, 7 feet, pay vein, 3 feet, pitch, 15°; nature of ore, iron pyrites and gray copper, assay value, 200 ounces silver per ton; one adit 10 feet in length, and 10 feet from surface.

Blue Jay. H. Leroy, J. M. Crissy and R. Grant, proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1877; situated on Hurricane peak, Eureka mining district, four miles from Animas Forks, and ten miles from Silverton; vertical vein, trending east and west, width, 4 feet, pay vein, 2 feet; nature of ore, galena, assay value, 80 ounces silver per ton; two adits 10 feet in length each.

Blue Jay. T. Shaw and Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Lake mountain, Uncompahgre mining district, one mile from Mineral City, and eighteen miles from Silverton, vertical vein, trending north and south, width, 30 feet; nature of ore, galena, assay value, 60 ounces silver ton; one shaft, 18 feet deep.

Bonanza Silver Mining Co., incorporated December 4, 1878; capital stock, $5,000,000, in 200,000 shares, $5 each; offices, Animas Forks, Colorado, and Chicago, Illinois; organized by Andrew Forbes, John B. Robinson and John R. Curry. The property of this company is situated on California, Houghton and Hurricane mountains, at the head of the south fork of the Animas river, in Eureka mining district, and comprise the Philadelphia, Washington, Columbus Extension and other lodes.

Bonanza. Antonio Aberto and Mark Biedell, proprietors; office, Silverton; claim, 372 by 1500 feet, patented; located 1877; situated in Poughkeepsie gulch, Uncompahgre mining district, twelve miles from Silverton; course of vein, northeast and southwest, width, 372 feet, pay vein, 22 feet; nature of ore, gray copper and brittle silver, average value, 200 ounces silver per ton; four shafts, aggregating 58 feet in depth; one tunnel, 75 feet in length; total yield, $2,500.

Bonanza Tunnel. Owned by Bonanza Tunnel Co., of New York; claim, 1500 by 3000 feet; located on Houghton mountain, near Animas Forks; course, east and west, length, 700 feet.

Bonnie Cord. J. W. Spencer & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1874; situated on King Solomon mountain, Animas mining district, three miles from Silverton; vertical vein, trending northwest and southeast, width, 3 feet, pay vein, 18 inches; nature of ore, gray copper, average value, 125 ounces silver per ton; one shaft, 14 feet deep, one drift, 30 feet in length, three adits, 15 feet in length respectively.

Boomerang. J. R. McKinnie & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1875; situated in Niagara gulch, Eureka mining district, one mile from town of Eureka and nine miles from Silverton; course of vein, northwest and southeast, width, 8 feet, pay vein, one foot, pitch, 12°; nature of ore, gray copper and copper pyrites, average value, 200 ounces silver per ton; one shaft, 14 feet deep, one adit, 13 feet in length.

Boone. James F. Rawling & Co., proprietors; office, Denver; claim, 300 by 1500 feet; located 1875; situated on the Animas river, Eureka mining district, two miles from town of Animas Forks and fourteen miles from Silverton; course of vein, east and west, width, 7 feet, pay vein, 18 inches, pitch, 20° north; nature of ore, galena, assay value, 82 ounces silver per ton; one drift, 30 feet in length and 25 feet from surface.

Boss. John Lattimore & Co., proprietors; office, Lake City;

claim, 300 by 1500 feet, located 1876; situated in Burns gulch, Eureka mining district, two miles from town of Eureka and ten miles from Silverton; course of vein, northeast and southwest, width, 20 feet, pay vein, 4 feet; nature of ore, galena and iron pyrites, assay value, 30 ounces silver per ton; two shafts, aggregating 25 feet in length.

Boss Boy. Owned by C. W. Burris, Charles Bales and I. S. Calder; office, Del Norte; claim, 300 by 1500 feet; located 1875; situated in Boulder gulch, Animas mining district, three miles from Silverton; course of vein, northeast and southwest, width, 30 feet, pitch, 15°; nature of ore, pyrites of iron, value, $200 per ton.

Bounty. Owned by James J. and Albert Bernard, Daniel J. and James D. McKay, William Forsyth and John M. Ross; office, Eureka, claim, 300 by 1500 feet; located 1874; situated in Eureka gulch, six miles from Silverton; course of vein, northeast and southwest, average width, 16 feet; pay vein, 6 feet; nature of ore, gray copper, iron and copper pyrites, average value, $105 per ton; one shaft, 50 feet deep.

Brasilian. M. Green & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1876; situated in Eureka gulch, five miles from town of Eureka, and ten miles from Silverton; vertical vein, trending east and west, width, 20 inches; nature of ore, galena and gray copper, assay value, 80 ounces silver per ton; one adit, 15 feet in length.

British Consuls Silver Mining Co., incorporated April 27, 1878; capital stock, $100,000, in 1,000 shares, $100 each; office, Silverton; trustees, John M. Stuart, John Elliott and John H. P. Voorhies.

Broad Gauge and Extension. George Green & Co., proprietors; office, Silverton; claim, 300 by 3000 feet.

Buckeye State. F. Herbst and Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1875; situated in Ohio gulch, Animas mining district, three miles from Silverton; course of vein, northeast and southwest, width, 15 feet, pay vein, 2 feet, pitch, 30°; nature of ore, galena and gray copper, average value, 75 ounces silver per ton; one shaft, 30 feet deep, one tunnel 175 feet in length, which intersects the vein at a depth of 160 feet.

Buell. Colorado Mining and Land Co., proprietors; office, Buffalo, N. Y.; claim, 300 by 1500 feet; located 1876; situated on Middle creek, Uncompahgre mining district, one mile from Mineral City, and seventeen miles from Silverton; vertical vein running northeast and southwest, width, 10 feet; nature of ore, gray copper, assay value, 100 ounces silver per ton, one tunnel, 18 feet and one adit, 48 feet in length.

Burrows. Charles H. McIntire and A. W. Burrows, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1874; situated on Mineral Point mountain, Uncompahgre mining, half mile from Mineral City, and eighteen miles from Silverton, vertical vein, trending northeast and southwest, width, 70 feet, pay vein, 7 feet; nature of ore, galena, average value, 30 ounces silver per ton; one shaft, 40 feet deep.

Burrows No. 2. Charles H. McIntire and A. W. Burrows, proprietors; office, Ouray; claim, 120 by 1500 feet; located 1874; situated on Mineral Point mountain, Uncompahgre mining district, eighteen miles from Silvertor; vertical vein, trending northeast and southwest, width, 50 feet, pay vein, 28 inches; nature of ore, galena and gray copper, assay value, 200 ounces silver per ton; one adit 40 feet in length.

Byron Gold and Silver Mining Co., incorporated February 18, 1878; capital stock, $1,000,000, in 20,000 shares $50 each; office, Eureka; trustees, Joseph B. and Joseph R. Fay, Robert S. Cross, Royal C. Bradshaw and John Martin.

California. Owned by J. Gillett, E. Ray and W. W. Ross; office, Silverton; claim, 300 by 1500 feet; located 1874; situated in Poughkeepsie basin, Uncompahgre mining district, thirteen miles from Silverton; course of vein, east and west, width, 25 feet, pay vein, 6 feet, pitch, 15° south; nature of ore, gray copper and galena, average value, 50 ounces silver per ton; one adit and two drifts, 10, 15 and 20 feet in length respectively.

California Belle. James M. Marshall & Co., proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1875; situated on California mountain, three miles from Animas Forks, and eighteen miles from Silverton; vertical vein, trending east and west, width, 3 feet, pay vein, 10 inches; nature of ore, gray copper, assay value, 300 ounces silver per ton; one adit 15 feet in length and 15 feet from surface, one shaft 10 feet deep.

Calypso. Owned by George Cooke, M. V. Brookes and others; office, Eureka; claim, 300 by 1500 feet; located 1876; situated on Rosse's basin, Eureka mining district, ten miles from Silverton; course, northeast and southwest, width, 6 feet, pay vein, 4 feet, pitch, 18°; nature of ore, galena and iron pyrites, average value, 30 ounces silver per ton; two shafts 10 feet each.

Candia. Owned by John Stuart, of Silverton; claim, 300 by 1500 feet; located 1877; situated in Poughkeepsie basin, twelve miles from Silverton; course of vein, northeast and southwest, width, 7 feet, pay vein, 18 inches; nature of ore, gray copper, assay value, 250 ounces silver per ton; development, one drift, 30 feet in length.

Caribou. Moyle, Robbins & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Sultan mountain, Animas mining district; three miles from Silverton; course of vein, northeast and southwest, width, 4 feet, pay vein, 14 inches; nature of ore, galena and gray copper, average value, 100 ounces silver per ton; two adits, 14 and 25 feet in length, respectively.

Carlisle. J. Peterson & Co., proprietors; office, Ouray; claim, 300 by 1500; located 1876; situated on Mount Abram, Uncompahgre mining district, fourteen miles from Silverton; vertical vein, trending east and west, width, 3 feet; nature of ore, gray copper, iron and copper pyrites, assay value, 300 ounces silver per ton; one drift, 20 feet in length.

Cashier. John Hammill & Bro., proprietors; office, Ouray; claim, 300 by 1500; located 1876; situated on Lake mountain, one mile from Mineral City, and seventeen miles from Silverton; vertical vein, trending north and south, width, 50 feet, pay vein, 4 feet; nature of ore, gray copper and galena, assay value, 80 ounces silver per ton, two adits, 10 feet each.

Cashier. Owned by William and A. E. Norris; office, Eureka; claim, 300 by 1500 feet; located 1878; situated in Eureka gulch, two miles from town of Eureka, and nine miles from Silverton; course of vein, north and south, width, 12 feet, pitch, 20°; nature of ore, gray copper and galena; one adit, 12 feet, and one tunnel, 16 feet in length, the latter intersecting vein at a depth of 40 feet.

Caucausus. J. B. Ross & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1873; situated at the south base of Hurricane Peak, Eureka mining district, ten miles from Silverton; course of vein, east and west, width, 60 feet, pay vein, 20 feet, pitch, 30°; nature of ore, galena and gray copper, assay value, 340 ounces silver per ton; two adits, 15 and 20 feet from surface, respectively, aggregating 50 feet in length.

C. and C. John Clark and M. J. Cross, proprietors, office, Eureka; claim, 300 by 1500 feet; located 1878; situated on Monument mountain, Eureka mining district, two miles from town of Eureka, and nine miles from Silverton; course of vein, northeast and southwest, width, 4 feet, pay vein, 16 inches, pitch, 15°; nature of ore, galena, average value, 30 ounces silver per ton; one adit, 15 feet in length.

Centennial Tunnel. Moyle, Robbins & Co., proprietors; office, Silverton; claim, 1500 by 3000 feet; located 1876; situated on Sultan mountain, Animas mining district, near limits of Silverton; course of tunnel, north and south, length, 200 feet; tunnel house, 26 by 36 feet.

Charles IX. Henry Carley, proprietor; office, Eureka; claim, 300 by 1500 feet; located 1878; situated on Eureka mountain, Eureka mining district, two miles from town of Eureka and ten miles from Silverton; course of vein, northwest and southeast, width, 5 feet, pay vein, 20 inches, pitch, 30°; nature of ore, gray copper and galena, assay value, 600 ounces silver per ton; one adit, 10 feet in length.

Charlton. James W. Platt, proprietor; office, Eureka; claim, 300 by 1500 feet; located 1874; situated on Parsons gulch, Eureka mining district, two miles from town of Eureka and ten miles from town of Silverton; vertical vein, trending northwest and southeast, width, 4 feet, pay vein, 15 inches; nature of ore, iron and copper pyrites; one adit, 20 feet in length, with 18 foot face.

Chautauqua and San Juan Mining Co., incorporated August 30, 1878; capital stock, $200,000, in 2,000 shares, $100 each; office, Animas Forks, Eureka mining district; trustees, R. B. Landon, Joseph Westley, Gains C. Howard, Henry A. Rowley, Richard C. Bristol, Squire L. Brown and Edward P. Howard.

Chenango. Charles Raymond, proprietor; office, Ouray; claim, 300 by 1450 feet; located 1876;

situated on Poughkeepsie creek, Uncompahgre mining district, twelve miles from Silverton; course of vein, north and south, width, 20 feet, pay vein, 22 inches, pitch, 10°; nature of ore, gray copper and brittle silver, assay value, 340 ounces silver per ton; two adits, 10 and 25 feet in length respectively.

Chicago. Owned by C. N. Cooper, Clabe, and Charles Jones; office, Animas Forks; claim, 300 by 1500 feet; located 1877; situated on Mineral Point mountain, near Mineral City, eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 6 feet, pay vein, 30 inches; nature of ore, brittle silver, gray copper and galena, average value, 125 ounces silver per ton; main shaft, 25 feet deep; yield, $200.

Chief. Albert M. Knight and Charles Slocum, proprietors; office, Silverton; claim, 300 by 1500 feet; located 1875; situated on Sultan mountain, Animas mining district, one mile from Silverton; vertical vein, trending northwest and southeast, width, 6 feet, pay vein, 20 inches; nature of ore, gray copper and galena, assay value, 200 ounces silver per ton; one shaft 27 feet deep, one tunnel, 50 feet in length.

Clara. George and Mrs. Clara McIntire, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1874; situated on Mineral Point mountain, half mile from Mineral City, and eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 8 feet, pay vein, 4 feet; nature ofore, galena; one adit 25 feet in length.

Clarke, Georgia. P. McEnany & Co., proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1874; situated on the Animas river, Eureka mining district, one mile from town of Animas Forks, and sixteen miles from town of Silverton; course of vein, northeast and southwest, width, 12 feet, pay vein, 22 inches, pitch, 25°; nature of ore, galena, assay value, 75 ounces silver per ton; one drift 40 feet in length, and 30 feet from surface.

Cleopatra. Albert Marzetti, proprietor; office, Howardsville; claim, 300 by 1500 feet; located 1877; situated on Tower mountain, two miles from town of Eureka, and nine miles from Silverton; course of vein, east and west, width, 5 feet; pitch, 25°; nature of ore, galena, copper pyrites and brittle silver, assay value, 240 ounces silver per ton; two tunnels, 19 and 32 feet, and one drift, 26 feet in length.

Cleveland and Dayton. R. C. Luesley & Co., proprietors; office, Silverton; claim, 300 by 3000 feet; located 1876; situated on Sultan mountain, Animas mining district, three miles and a half from Silverton; course of vein, northeast and southwest, width, 3 feet, pay vein, 10 inches; nature of ore, gray copper, average value, 600 ounces silver per ton; one drift, 50 feet in length and 50 feet from surface; yield, $1,200.

Cleveland and Divide. Owned by J. M. King, E. S. Finch and others; office, Silverton; claim, 300 by 3000 feet; located 1878; situated on Pioneer mountain, Animas mining district, eight miles from Silverton; course of vein, east and west, width, 15 feet, pay vein, 3 feet, pitch, 35°; nature of ore, galena and gray copper, average value, 50 ounces silver per ton; two adits, 10 feet each.

Cocktail. R. C. Luesley, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1874; situated on Sultan mountain, Animas mining district, one mile from Silverton; course of vein, northeast and southwest, width, 3 feet, pay vein, 6 inches; nature of ore, gray copper, assay value, 500 ounces silver per ton; one tunnel, 90 feet in length, intersecting the vein at a depth of 100 feet, one level, 140 feet in length.

Colorado Mining and Land Co., organized under the laws of the State of New York, March 25, 1875; capital stock, $1,000,000 in 40,000 shares $25 each; offices, Buffalo, N. Y., and Mineral City, Colorado; incorporators, J. S. Buell, Robert D. Hamlen, Orville Parker, and John O'Brien.

Columbia. Owned by Ogle, Scott, and others; office, Eureka; claim, 300 by 1500 feet; located 1876; situated on Crown mountain, Eureka mining district, two miles from Eureka, and ten miles from Silverton; vertical vein, trending north and south, width, 2 feet, pay vein, 10 inches; nature of ore, galena, assay value, 200 ounces silver per ton, one drift, 40 feet in length.

Columbia. Owned by Peterson & Johnson, of Silverton; claim, 300 by 1500 feet, located, 1876; situated on Hurricane Peak, Eureka mining district, five miles from Eureka; course of vein, northwest and southeast, width, 12 feet, pay vein, 4 feet, pitch, 20°; nature of ore, gray copper, value 160 ounces silver per ton; development, one tunnel 140 feet in length and 125 feet from surface.

Comet. J. Williamson, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on the Animas river, Eureka mining district, two miles from town of Animas Forks, and fourteen miles from Silverton; vertical vein, trending north and south, width, 5 feet, pay vein, 10 inches; nature of ore, gray copper and galena, assay value, 175 ounces silver per ton; one drift 20 feet in length.

Commodore. M. Green and S. Traverse, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Mineral Point mountain, one mile from Mineral City, and eighteen miles from Silverton; course of vein, north and south, width, 9 feet; nature of ore, gray copper and galena, assay value, 70 ounces silver per ton; one drift, 23 feet in length.

Como. W. U. Jackson, proprietor; office, Mineral City; claim, 300 by 1500 feet; located 1877; situated on Seigle mountain, two miles from Mineral City, and eighteen miles from Silverton; vertical vein, trending north and south, width, 8 feet; nature of ore, galena, assay value, 40 ounces silver per ton; one adit 15 feet in length.

Conder. D. McConnell, proprietor; office, Animas Forks; claim, 300 by 1500 feet; located 1877; situated in Burns gulch, Eureka mining district, two miles from town of Eureka, and ten miles from Silverton; vertical vein, trending north and south, width, 12 feet, pay vein, 2 feet; nature of of ore, galena and gray copper, assay value, 120 ounces silver per ton; one shaft 20 feet deep.

Consolidated Corn Exchange. Owned by R. C. Luesly and E. W. Hodges; office, Silverton; claim, 300 by 6000 feet; located 1876; situated on Lookout mountain, Animas mining district, seven miles from Silverton; course of vein, east and west, width, 100 feet, pay vein, 2 feet; nature of ore, carbonate of lead, average value, 69 ounces silver per ton; one shaft 18 feet deep, one tunnel 140 feet in length, intersecting vein at a depth of 130 feet.

Consolidated Virginia. J. N. Southgate, proprietor; office, Howardsville; claim, 300 by 1500 feet, located 1876; situated on Boulder mountain, Animas mining district, two milles from Silverton; vertical vein, running northeast and southwest, width, 15 feet; nature of ore, galena, gray copper and iron pyrites, assay value, 80 to 600 ounces silver per ton; three adits, 12, 14 and 15 feet in length respectively.

Consolidated Virginia. Owned by J. M. Donnel, J. Watson and W. Waldo; office, Animas Forks; claim, 300 by 1500 feet; located 1877; situated on California mountain, Eureka mining district, two miles from Animas Forks and eighteen miles from Silverton; course of vein, northeast and southwest, width, 100 feet, pay vein, 3 feet, pitch, 30°; nature of ore, galena, gray copper and copper pyrites, average value, 110 ounces silver per ton; one adit, 20 feet in length; yield, $500.

Covenant. Owned by Frank Herrod and John M. Stuart; office, Mineral City; claim, 300 by 1500 feet; located 1877; situated on Abraham mountain, twelve miles from Silverton; vertical vein, trending northeast and southwest, width, 35 feet, pay vein, 4 feet; nature of ore, galena and copper pyrites, assay value, 60 ounces silver per ton; one drift, 50 feet in length and 50 feet from surface.

Crescent. L. Quinn & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1876; situated on Ruby creek, Animas mining district, seven miles from Silverton; vertical vein, trending north and south, width, 8 feet, pay vein, 3 feet; nature of ore, gray copper and carbonate of lead, assay value, 160 ounces silver per ton; two adits, 15 and 15 feet each.

Crispin. Owned by J. P. Johnson, R. J. Carley and J. W. Wallace; office, Eureka; claim, 250 by 1500 feet; located 1873; situated on Eureka Mountain, near town of Eureka, eight miles from Silverton; course of vein, northwest and southeast, width, 8 feet, pay vein, 5 feet, pitch, 30°; nature of ore, gray copper and galena; value of first-class ore, 80 to 150 ounces, and second-class 40 ounces silver per ton; one drift, 55 feet in length and 75 feet from surface.

Crown Jewel. E. M. King and J. J. Hance, proprietors; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Red mountain, Eureka mining district, four miles from Eureka and twelve miles from Silverton; vertical vein, trending northeast and southwest, width, 6 feet; nature of ore, gray copper; one adit, 40 feet in length.

Crown Point. C. S. Roe and F. Frick, proprietors; claim, 300 by

1500 feet; located 1877; situated on Mineral creek, Animas mining district, three miles from Silverton; vertical vein, trending east and west, width 4 feet, pay vein, 3 feet; nature of ore, galena, assay value, 30 to 170 ounces silver per ton; one drift, 20 feet in length, with 14-foot face.

Crown Point. Owned by F. Marlow, G. Miller and S. Regan; office, Silverton; claim, 300 by 1500 feet; located 1876; situated on Boulder mountain, Animas mining district, three miles from Silverton; vertical vein, trending east and west, width, 7 feet, pay vein, 4 feet; nature of ore, galena and copper pyrites, assay value, 60 ounces silver per ton; one drift, 30 feet in length.

Crown Point. Owned by J. M. Donnel, W. Waldo and J. Watson, office, Animas Forks; claim, 300 by 1500 feet; located 1877; situated on California mountain, Eureka mining district, two miles from Animas Forks and eighteen miles from Silverton; course of vein, northeast and southwest, width, 100 feet, pitch, 30°; nature of ore, galena; one adit, 20 feet in length and 12 feet from surface.

Crystal. George N. Propper and A. W. Burrows, proprietors; office, Del Norte; claim, 300 by 1500 feet; located 1878; situated on Mineral Point mountain, Uncompahgre mining district, near Mineral City, eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 25 feet, pay vein, 30 inches; nature of ore, galena; two adits 10 and 20 feet in length respectively.

Custer. George A. Castle and John M. Custer, proprietors; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on California mountain, Eureka mining district, two miles from town of Animas Forks, and eighteen miles from Silverton; course of vein, northwest and southeast, width, 150 feet, nature of ore, galena and gray copper, assay value, 150 ounces silver per ton; one drift, 30 feet in length, and 20 feet from surface.

Dakota. Owned by Charles H. McIntire, A. W. Burrows, and others; office, Del Norte; claim, 150 by 1500 feet; located 1874; situated on Mineral Point mountain, eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 50 feet, pay vein, 3 feet; nature of ore, galena, assay value, 90 ounces silver per ton; one adit, 30 feet in length.

Dardenelle. Owned by A. O. Terry, B. Pope and J. W. Tiernan; office, St. Louis, Mo.; claim, 300 by 1350 feet; located 1874; situated on Watson mountain, near town of Eureka, eight miles from Silverton; vertical vein, trending northeast and southwest, width, 6 feet, pay vein, 2 feet; nature of ore, gray copper and sulphurets, average value, 162 ounces silver per ton; one shaft, 10 feet deep, one drift 22 feet; yield, $200.

Dean Swift. Owned by George Purcell, J. A. White and P. Cusick; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Oberto mountain, Uncompahgre mining district, twelve miles from Silverton; vertical vein, trending east and west, width, 8 feet, pay vein, 2 feet; nature of ore, galena and gray copper, assay value 65 ounces silver per ton; two adits, aggregating 50 feet in length.

Deganfels. O. F. Krauss & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Green mountain, Animas mining district, eight miles from Silverton; course of vein, northwest and southeast, width, 3 feet, pay vein, 32 inches; nature of ore, galena and gray copper, assay value, 90 ounces silver per ton; one tunnel 130 feet in length.

Democrat. Henry Promise & Co., proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1875; situated on Treasure mountain, Eureka mining district, one mile and a half from town of Animas Forks, and seventeen miles from Silverton; vertical vein, trending northeast and southwest, width, 15 feet, pay vein, 3 feet; nature of ore, galena and gray copper, assay value, 900 ounces silver per ton; one tunnel 95 feet in length, intersecting vein 80 feet from surface.

Democrat. Owned by C. Rugg, J. W. Peirce and others; office, Eureka; claim, 300 by 1500 feet; located 1876; situated on Silver mountain, Eureka mining district, three miles from Eureka and eleven from Silverton; course of vein, north and south, width, 20 feet, pitch, 15° nature of ore, galena and iron and copper pyrites, assay value, 80 ounces silver per ton; one shaft 8 feet deep, two adits 10 and 12 feet in length respectively.

Democrat. Owned by John H. P. Voorhies and others; office, Silverton; claim, 300 by 1500 feet; located 1876; situated on Ruby hill, Animas mining district, four miles from Silverton; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 18 inches; nature of ore, galena and gray copper, average value, 200 ounces silver per ton; one shaft 50 feet deep, one tunnel 70 feet, and one level 140 feet in length; shaft house 18 by 124 feet.

Deposit. Owned by Charles H. McIntire, A. W. Burrows and others; office, Ouray; claim, 150 by 1500 feet; located 1874; situated on Mineral Point mountain, Uncompahgre mining district, eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 50 feet, pay vein, 3 feet; nature of ore, gray copper and iron pyrites, assay value, 125 ounces silver per ton; one adit 20 feet in length.

Detroit. Henry Promise, proprietor; office, Animas Forks; claim, 300 by 1500 feet; located 1876; situated on Eureka mountain, ten miles from Silverton; course of vein, northwest and southeast, width, 12 feet, pay vein, 2 feet, pitch, 45°; nature of ore, galena and copper pyrites; one shaft, 10 feet deep, one adit, 14 feet in length.

Diamond L. James J. and Albert Bernard, Daniel J. and James D. McKay, William Forsyth and John M. Ross, proprietors; office, Howardsville; claim, 300 by 1500 feet; located 1873; situated in Arastra basin, three miles from Silverton; course of vein, northeast and southwest, width, 3 feet; nature of ore, galena and gray gray copper, average assay value, $700 per ton; one tunnel, 50 feet in length.

Diamond Tunnel. Owned by the Silver Producing Mining Co., incorporated October 12, 1877;

capital stock, $150,000, in 1,500 shares, $100 each; office, Silverton; Edmund Higginbotham, prest., Thomas Compau, vice-prest. and treas., John G. Heid, sec.; claim, 1500 by 3000 feet; located 1876; situated on Sultan mountain, Animas mining district, one mile from Silverton; course of tunnel, east and west, length, 350 feet.

Digger Injun. J. Roos & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1874; situated in Poughkeepsie gulch, Uncompahgre mining district, twelve miles from Silverton; vertical vein, trending east and west, width, 3 feet, pay vein, one foot; nature of ore, galena, assay value, 50 to 100 ounces silver per ton; one drift, 10 feet in length and 10 feet from surface.

Dolly. Ellen M. McIntire, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1874; situated on Mineral Point mountain, half mile from Mineral City and eighteen miles from Silverton; course of vein, east and west, width, 4 feet, pay vein, 2 feet; nature of ore, galena and iron pyrites; one adit, 25 feet in length.

Dom Pedro. R. P. Bukey & Co., proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1876; situated on California mountain, two miles from Animas Forks and eighteen miles from Silverton; course of vein, northeast and southwest, width, 5 feet, pay vein, 16 inches; nature of ore, galena; one shaft, 12 feet deep.

Eagle. Henry Carley & Co., proprietors; office Animas Forks; claim, 300 by 1500 feet; located 1875; situated on Treasure mountain, Eureka mining district, one mile from Eureka and eleven miles from Silverton; course of vein, northeast and southwest, width, 35 feet, pay vein, 30 inches; nature of ore, gray copper and galena, assay value, 60 ounces silver per ton; two tunnels, 18 and 25 feet in length respectively.

Eclipse. Owned by Galbraith, Rockefellow & Co.; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on King Solomon mountain, Animas mining district, six miles from Silverton; course of vein, northeast and southwest, width, 4 feet, pay vein, 18 inches, pitch, 45°; nature of ore, gray copper, average value, 300 ounces silver per ton; two shafts, 20 and 30 feet in depth, respectively; yield, $2,000.

Eclipse, No. 2. Owned by M. Boulware, D. Keyes, C. J. Gibbons and C. Hart; office, Lake City; claim, 300 by 1500 feet; located 1878; situated on North Lookout mountain, Animas mining district, eight miles from Silverton; vertical vein, trending northeast and southwest, width, 25 feet, pay vein, 2 feet; nature of ore, carbonate of lead, average value, 200 ounces silver per ton; one shaft, 35 feet deep.

Edna C. M. Pray & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1876; situated two miles from town of Eureka and ten miles from Silverton; course of vein, northeast and southwest, width, 12 feet, pay vein, 2 feet, pitch, 10°; nature of ore, galena, iron and copper pyrites, assay value, 75 ounces silver per ton; one drift, 25 feet in length.

Eighth Wonder. O. Larson & Co., proprietors; claim, 300 by 1500 feet; located 1876; situated on Seigle mountain, one mile from Mineral City and eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 6 feet, pay vein, 22 inches; nature of ore, gray copper and sulphurets, assay value, $300 ounces silver per ton; one tunnel, 32 feet in length, two adits, aggregating 27 feet in length.

Elephant. Colorado Mining and Land Co., proprietors; office, Buffalo, New York; claim, 300 by 1350 feet; located 1874; situated on Lake mountain, Uncompahgre mining district, seventeen miles from Silverton; vertical vein, trending northeast and southwest, width, 50 feet, nature of ore, gray copper, assay value, 46 ounces silver per ton; one tunnel, 32 feet, and one adit, 50 feet in length.

Elephant. P. Crout and R. Hanson, proprietors; office, Mineral City; claim, 300 by 1500 feet; located 1875; situated on Wood's mountain, Eureka mining district, four miles from town of Eureka and twelve miles from Silverton; course of vein, northeast and southwest, width, 8 feet; pay vein, 22 inches; nature of ore, galena, assay value, 65 ounces silver per ton; one shaft, 10 feet deep, one drift, 23 feet in length, and 25 feet from surface.

Ellen. Ellen M. McIntire, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1874; situated on Mineral Point mountain, half mile from Mineral City, and eighteen miles from Silverton; course of vein, north and south, width, 10 feet, pay vein, 5 feet; nature of ore, galena and gray copper, assay value, $100 silver per ton; one adit 30 feet in length.

Emerald. D. O'Connell, proprietor; office, Animas Forks; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, three miles from town of Eureka, and eleven miles from Silverton; course of vein, northeast and southwest, width, 2 feet, pay vein, 6 inches, pitch, 30°; nature of ore, galena, assay value, 35 ounces silver per ton; one adit 14 feet in length.

Emma N. L. Woodbury & Co., proprietors; office, Animas Forks, claim, 300 by 1500 feet; located 1877; situated on Wood mountain, Eureka mining district, one mile from Animas Forks, and seventeen miles from Silverton; course of vein, northwest and southeast, width, 6 feet; nature of ore, galena; one adit 10 feet deep and 10 feet from surface.

Emmet, Robert. Owned by James O'Boyle & Bro., of Eureka; claim, 300 by 1,000 feet; located 1876; situated on the Animas river, four miles from town of Eureka; course of vein, northwest and southeast, width, 8 feet, pay vein, 18 inches; nature of ore, gray copper and galena, assay value, 126 ounces silver per ton; development, one drift 30 feet in length.

Empire. J. Georke & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1876; situated on Crown mountain, three miles from town of Eureka and eleven miles from Silverton; course of vein, north and south, width, 12 feet, pitch, 20°; nature of ore, galena and gray copper, average value, 40 ounces silver per ton; one adit, 10 feet and one drift, 30 feet in length.

Empire. Knight, Slocum & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1874; situated on Sultan mountain, Animas mining district, near limits of Silverton; course of vein, northwest and southeast, width, 6 feet, pay vein, 30 inches, pitch, 5°; nature of ore, galena and gray copper, value, 150 ounces silver per ton; two shafts, 65 and 70 feet in length respectively, one tunnel, 219 feet in length, intersecting vein at a depth of 125 feet, two levels, aggregating 60 feet in length, 55 and 65 feet from surface respectively; shaft house, 16 by 20 feet.

Empire. T. V. Brock & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1878; situated on Jones mountain, Eureka mining district, three miles from town of Eureka and eleven miles from Silverton; vertical vein, trending north and south, width, 30 inches, pay vein, 15 inches; nature of ore, galena, assay value, 140 ounces silver per ton; one drift, 20 feet in length and 14 feet from surface.

Empress. Thomas Dunton, proprietor; office, Eureka; claim, 300 by 1500 feet; located 1877; situated in Picayune gulch, Eureka mining district, three miles from town of Eureka and eleven miles from Silverton; course of vein, north and south, width, 15 feet, pay vein, 4 feet, pitch, 30°; nature of ore, galena, assay value, 85 ounces silver per ton; one shaft, 14 feet deep.

Equator, A. Trellinger and C. W. Ross, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Mineral Point mountain, eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 75 feet; nature of ore, galena, iron and copper pyrites, assay value 60 ounces silver per ton; three shafts, 10, 12 and 15 feet in depth, respectively.

Eudora. F. Franklin and I. Gross, proprietors; office, Lake City; claim, 300 by 1500 feet, located 1877, situated on California mountain, two miles from town of Animas Forks and eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 20 feet, pay vein, 5 feet; nature of ore, galena and iron pyrites, assay value 80 ounces silver per ton; one shaft, 16 feet deep.

Eureka Tunnel. Owned by the Eureka Gold and Silver Mining Co.; organized under the laws of Indiana in the year 1878; capital stock, $30,000, in 1,000 shares, $30 each; offices, Eureka, Colorado, and Columbus, Ohio; J. H. Wasson, prest., J. F. Miller, vice pres., T. R. Wing, treas., C. H. Cole, sec., E. S. Armstrong, supt.; claim, 1500 by 3000 feet; located 1874; situated beside the Animas river in town of Eureka 8 miles from Silverton; course of tunnel, northwest and southeast; length, 75 feet.

Eureka Tunnel. Owned by Jas. J. and Albert Bernard, Daniel J. and James D. McKay, William Forsythe and John M. Ross; office, Eureka; claim, 1500 by 3000 feet; located 1874; situated in the bed of the Animas river near town of Eureka; length of tunnel, 75 feet.

Eureka and Grand. J. R. McKinnie & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1875; situated on Eureka mountain, Eureka mining district, one mile from town of Eureka, and nine miles from Silverton; course of vein, north and south, width, 50 feet, pay vein, 16 feet, pitch, 30°; nature of ore, galena, assay value, 21 to 144 ounces silver per ton, three adits, 10, 15 and 25 feet respectively, and one tunnel 12 feet in length.

Evening Star. Owned by S. Allen and R. Skinner; office, Animas Forks; claim, 300 by 1500 feet; located 1876; situated on California mountain, Eureka mining district, two miles from Animas Forks, and 18 miles from Silverton; vertical vein, trending north and south, width, 10 feet, pay vein, 3 feet; nature of ore, galena and gray copper, assay value, 43 to 110 ounces silver per ton; one shaft 20 feet deep.

Excelsior. W. McIntire, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1874; situated in Ohio gulch, Animas mining district, six miles from Silverton; course of vein, northeast and southwest, width, 2 feet, pay vein, 20 inches, pitch, 40°; nature of ore, galena and gray copper, assay value, 50 ounces silver per ton; four adits, 8, 10, 15 and 16 feet in length respectively.

Excelsior. W. P. Hartman & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1876; situated in Cunningham gulch, Animas mining district, five miles from Silverton; vertical vein, trending east and west, width, 30 inches, pay vein, 8 inches; nature of ore, gray copper and galena, assay value, 300 ounces silver per ton; one drift 25 feet in length.

Exchequer. G. Ferguson & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Mineral Point mountain, two miles from Mineral City and nine miles from Ouray; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, 6 inches; nature of ore, gray copper and brittle silver, assay value, 180 ounces silver per ton; two adits, 10 and 15 feet in length respectively.

Forrest, N. B. G. N. Richardson, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on the East fork of Cement creek, Animas mining district, nine miles from Silverton; course of vein, northwest and southeast, width, 20 feet, pay vein, 10 inches, pitch, 45°; nature of ore, galena, average value, 50 ounces silver per ton; one drift, 32 feet in length and 20 feet from surface.

Fortune. O. Larson and S. Larson, proprietors; office, Del Norte; claim, 300 by 1500 feet; located 1875; situated on Lake mountain, near Mineral City, eighteen miles from Silverton; course of vein, northeast and southwest, width, 30 inches, pitch, 25°; nature of ore, galena and gray copper, assay value, $75 silver per ton; one adit, 20 feet in length.

Franklin, John. Owned by G. A. McDowell, D. C. Ogsbury and E. W. Johnstone; office, Pueblo; claim, 300 by 1500 feet; located 1875; situated in Arastra gulch, Animas mining district, three miles from Silverton; course of vein, northeast and southwest, width, 3 feet, pay vein, 2 feet; nature of ore, free gold, value, $440 per ton; one drift, 60 feet in length.

Frederica. A. K. Prescott & Co., proprietors; office, Del Norte; claim, 300 by 1500 feet; located 1873; situated in Burns gulch, three miles from town of Eureka and nine miles from Silverton; vertical vein, trending east and west, width, 7 feet; nature of ore, galena and gray copper, average value, $112 per ton; two adits, 15 and 25 feet in length respectively.

Free Coinage. Owned by T. Byron and M. Hogan; office, Animas Forks; claim, 300 by 1500 feet; located 1878; situated on Treasure mountain, Eureka mining district, one mile from town of Eureka and 10 miles from Silverton; course of vein, northeast and southwest, width, 50 feet; nature of ore, galena and sulphurets, one shaft, 11 feet deep.

Gem. James Thornton and W. Bell, proprietors; office, Eureka; claim, 300 by 1500 feet; located 1877; situated in Minnie gulch, Eureka mining district, two miles from town of Eureka, and seven miles from Silverton; course of vein, northeast and southwest, width, 8 feet, pay vein, 3 feet, pitch, 40°; nature of ore, galena and iron pyrites, assay value, 100 ounces silver per ton, one shaft, 8 feet deep; one adit 15 feet in length.

Georgia. W. L. Guinn and J. Long, proprietors; office, Eureka; claim, 300 by 1500 feet; located 1875; situated in Burns gulch, Eureka mining district, two miles from Eureka, and ten miles from Silverton; course of vein, northwest and southeast, width, 10 feet, pay vein, 3 feet, pitch, 10°; nature of ore, galena and gray copper, assay value, 15 to 300 ounces silver per ton; one adit 30 feet in length.

German. Owned by G. Griffin, H. B. Jenkins and other; office, Animas Forks; claim 300 by 1500 feet; located 1875; situated on California mountain, Eureka mining district, two miles from town of Animas Forks, and sixteen miles from Silverton; course of vein, north and south, width, 60 feet, pitch, 15°; nature of ore, galena and iron pyrites, assay value, 80 ounces silver per ton; one shaft, 12 feet deep, one tunnel 30 feet in length.

Gypsy. P. Crout, proprietor; office, Mineral City; claim, 300 by 1500 feet; located 1877; situated in Poughkeepsie gulch, Uncompahgre mining district, twelve miles from Silverton; course of vein, northeast and southwest, width, 23 feet, pay vein, 2 feet, pitch, 30°; nature of ore, sulphurets and brittle silver; average value, 600 ounces silver per ton; one shaft 50 feet deep.

Gypsy Maid. S. H. Day and D. Brown, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated in Poughkeepsie gulch, twelve miles from Silverton; vertical vein, trending northeast and southwest, width, 20 feet, pay vein, 22 inches; nature of ore, galena and sulphurets, assay value, 800 ounces silver per ton; one shaft 12 feet deep, one tunnel 25 feet in length.

Golden Eagle. J. C. Resor & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1876; situated in Poughkeepsie gulch, twelve miles from Silverton; vertical vein, trending northwest and southeast, width, 10 feet, pay vein, 30 inches; nature of ore, gray copper and galena, assay value, 125 ounces silver per ton; one drift, 18 feet in length.

Good Enough. D. McGillivray & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1877; situated in Eureka mining district, one mile from town of Eureka, and nine miles from Silverton; vertical vein, trending east and west, width, 2 feet, pay vein, 15 inches; nature of ore, galena and gray copper, assay value, 65 ounces silver per ton; one drift 30 feet in length, and 25 feet from surface.

Good Enough. Owned by Thomas A. Breckenridge & Co.; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Lookout mountain, Animas mining district, six miles from Silverton; vertical vein, trending east and west, pay vein, 14 inches; nature of ore, carbonate of lead, assay value, 80 ounces silver per ton; one shaft 35 feet deep.

Gould and Curry. John W. Patterson, proprietor; office, Howardsville; claim, 300 by 1500 feet; located 1877; situated in Boulder gulch, Animas mining district, two miles from Silverton; vertical vein, trending northwest and southeast, width, 10 feet, pay vein, 18 inches; nature of ore, galena and gray copper, assay value, 140 ounces silver per ton; one drift 15 feet in length.

Governor Hayes. Owned by George W. Osborn, George N. Propper and W. W. Straight, office, Pueblo; claim, 230 by 1500 feet; located 1877; situated on Lake mountain, one mile from Mineral City, and eighteen miles from Silverton; vertical vein, running northeast and southwest, width, 12 feet, pay vein, 22 inches; nature of ore, gray copper, assay value, 100 to 700 ounces silver per ton, one adit 30 feet in length.

Grand Central. Owned by John C. Dunn, of Denver; claim, 300 by 1500 feet; located 1875; situated on Eureka mountain, three miles from town of Eureka and eleven miles from Silverton; vertical vein, trending northeast and soutwest, width, 60 feet, pay vein, 40 feet; nature of ore, gray copper and galena, assay value, 40 to 340 ounces silver per ton; two drifts, 20 and 50 feet in length respectively.

Grand Duke. E. Morton and R. N. Lake, proprietors; office, Eureka; claim, 300 by 1500 feet; located 1876; situated on Silver mountain, Eureka mining district, three miles from town of Eureka and eleven miles from Silverton; vertical vein, trending northwest and southeast, width, 14 feet; nature of ore, galena and iron pyrites, assay value, 65 ounces silver per ton; one adit, 30 feet in length.

Grand Duke. Owned by Chas. Humaston, George Howard and M. M. Engleman; office, Eureka; claim, 300 by 1500 feet; located 1875; situated on Hurricane peak, Eureka mining district, three miles from town of Eureka and twelve miles from Silverton; course of vein, northwest and southeast, width, 20 feet, pay vein, 2 feet, pitch, 10°; nature of ore, gray copper, assay value, 200 ounces silver per ton; main shaft, 15 feet deep, one tunnel, 25 feet in length.

Grand Republic. Owned by M. Hogan and T. Byron; office, Animas Forks; claim, 300 by 1500 feet; located 1878; situated on Treasure mountain, Eureka mining district, one mile from town of Eureka and ten miles from Silverton; course of vein, east and west, width, 50 feet, pitch, 20°; nature of ore, galena and copper pyrites; one shaft, 12 feet deep.

Grand Trunk Mining Co., incorporated November 29, 1876; capital stock, $500,000, in 5,000 shares, $100 each; office, Denver; organized by Archie C. Fisk, William Smedley and Edward W. Pierce; A. C. Fisk, prest., Edward W. Pierce, sec., William Smedley, treas. The property of this company is situated on Galena mountain, Animas mining district, four miles from Silverton; claim, 300 by 3000 feet; discovered 1873; course of vein, northeast and southwest, width, 30 feet, pay vein, 6 feet; nature of ore, galena and gray copper, average value, $125 per ton; development, six shafts, aggregating 100 feet in depth and one tunnel, 55 feet in length. The surface of this property and the adjoining country is covered with timber suitable for mining and other purposes.

Granger. S. Peterson, proprietor; office, Eureka; claim, 300 by 1500 feet; located 1874; situated on Eureka mountain, two miles from town of Eureka and ten miles from Silverton; course of vein, northeast and southwest, width 30 feet, pitch, 15°; nature of ore, galena and copper pyrites; two shafts, 11 and 12 feet deep, respectively.

Grant, U. S. Owned by William Cooper, Charles H. Cooper and others; office, Lake City; claim, 300 by 1500 feet; located 1876; situated on Seigle mountain, two miles from Mineral City; course of vein, northeast and southwest, width, 8 feet, pitch, 40°; nature of ore, galena and gray copper, assay value, 150 ounces silver per ton; one shaft, 18 feet deep.

Gray Copper Falls. George Green & Co., proprietors; office Silverton; claim, 300 by 1500 feet; situated at the head of Cement creek, Eureka mining district, fifteen miles from Silverton; course of vein, northeast and southwest, width, 6 feet, pay vein, 4 feet; nature of ore, gray copper and galena; operated by a tunnel, 300 feet in length.

Gray Eagle. J. Orr and F. Morey, proprietors; office, Silverton; claim, 200 by 1010 feet; located 1874; situated on Hazelton mountain, Animas mining district, three miles from town of Silverton; vertical vein, trending northeast and southwest, width, two feet, pay vein, one foot; nature of ore, galena and gray copper, average value, 100 ounces silver per ton; one shaft, 60 feet deep, two drifts, 50 and 150 feet in length, respectively; yield, $1,000.

Great American. George N. Propper and A. W. Burrows, proprietors; office, Del Norte; claim, 300 by 1500 feet; located 1874; situated on Lake mountain, near Mineral City, eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 30 feet, pay vein, 5 feet; nature of ore, galena, assay value, 80 ounces silver per ton; one shaft, 16 feet, deep, one adit, 50 feet in length.

Great Eastern. E. McCartey, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1876; situated on Silver mountain, two miles from town of Eureka and eight miles from Silverton; course of vein, north and south, width, 15 feet, pay vein, 3 feet, pitch, 20°; nature of ore, gray copper and copper pyrites, assay value, 200 ounces silver per ton; one drift, 60 feet in length.

Gritiza. Gust. Johnson, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1877; situated in Rosse's basin, Eureka mining district, ten miles from Silverton; course of vein, northwest and southeast, width, 4 feet, pay vein, 18 inches, pitch, 20°; nature of ore, gray copper, value, 106 ounces silver per ton; one shaft, 15 feet deep.

Grub Stake. James T. Rawlings & Co., proprietors; office, Denver; claim, 300 by 1500 feet; located 1874; situated on the Animas river, Eureka mining district, two miles from town of Animas Forks, and fourteen miles from Silverton; course of vein, northwest and southeast, width, 5 feet, pay vein, 20 inches; nature of ore, gray copper and iron pyrites, assay value, 416 ounces silver per ton; one drift, 70 feet in length and 80 feet from surface; yield, $225.

Hafer. Charles H. McIntire, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1874; situated on Mineral Point mountain, one mile from Mineral City, and eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 30 feet, pay vein, 3 feet; nature of ore, gray copper; one adit, 30 feet in length and ten feet from surface.

Hard to Beat. J. Frye & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Mineral creek, Animas mining district, five miles from Silverton; vertical vein, trending east and west, width, 3 feet, pay vein, 20 inches, nature of ore, gray copper and carbonate of lead, assay value, 90 ounces silver per ton; one adit 24 feet in length.

Hard to Beat. W. Williams and J. Richards, proprietors; office, Howardsville; claim, 300 by 1500 feet; located 1876; situated in Cunningham gulch, Animas mining district, seven miles from Silverton; course of vein, east and west; width, 8 feet, pay vein, 2 feet, pitch, 20°; nature of ore, gray copper and galena, assay value, 150 ounces silver per ton; one drift, 20 feet in length.

Harrison, M. E. J. B. Ross & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1873; situated at the south base of Hurricane peak, Eureka mining district, ten miles from Silverton; course of vein, east and west, width, 60 feet, pitch, 30°; nature of ore, galena and gray copper, average value, 50 to 300 ounces silver per ton; one shaft 40 feet deep.

Hattie. J. Williamson & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Kendel mountain, Animas mining district, two miles from Silverton; course of vein, north and south, width, 4 feet, pitch, 15°; nature of ore, gray copper and galena, assay value, 90 ounces silver per ton, one adit, 18 feet in length.

Hawkeye. Owned by the Silver Producing Mining Co.; office, Silverton; claim, 300 by 1500 feet; located 1873; situated on Sultan mountain, Animas mining district, one mile from Silverton; vertical vein, trending northeast and southwest; width, 4 feet, pay vein, 20 inches; nature of ore, gray copper and galena, value, 200 ounces silver ton; one shaft 60 feet deep; shaft house 16 by 20 feet.

Hawkeye State. William Morgan and J. L. Price, proprietors; office, Howardsville; claim, 300 by 1500 feet; located 1876; situated in Cunningham gulch, Animas mining district, six miles from Silverton; course of vein, northwest and southeast, width, 3 feet, pay vein, 20 inches, pitch, 30°; nature of ore, galena and gray copper, assay value, 60 ounces silver per ton; three adits, 12, 14 and 24 feet in length respectively.

Hazelton Mountain Tunnel and Mining Co., incorporated August 15, 1877; capital stock, $16,000, in 16 shares, of $1,000 each; office, Silverton; trustees, Wesley and G. A. Tinker, J. S. Hall, Gustavus Johnson, Julius E. Bates, A. B. Hart, J. H. Brink and C. J. Marrh.

Hendricks. J. McKinzie and R. Struby, proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1877; situated on Treasure mountain, Eureka mining district, two miles from town of Animas Forks, and eighteen miles from Silverton; course of vein, northwest and southeast, width, 12 feet, pay vein, 30 inches, pitch, 20°; nature of ore, galena and copper pyrites, assay value, 75 ounces silver per ton; one shaft 10 feet deep, one adit 15 feet in length.

Hercules. Knight; Slocum & Co., proprietors; office, Silverton; claim 300 by 1500 feet; located 1874; situated on Sultan mountain, Animas mining district, near limits of Silverton; course of vein, northwest and southeast, width, 7 feet, pay vein, 5 feet, pitch 15°; nature of ore, gray copper, galena and copper pyrites, average value, $100 per ton; one shaft, 26 feet deep, one tunnel, 235 feet in length, intersecting vein at a depth of 100 feet, shaft house, 16 by 22 feet.

Hidden Treasure. Charles Galbraith & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on King Solomon mountain; Animas mining district, six miles from Silverton; course of vein, northeast and southwest, width, 3 feet, pay vein, 2 feet; nature of ore, gray copper, assay value, 500 to 2,000 ounces silver per ton; one shaft, 10 feet deep.

Hidden Treasure. O. Larson, proprietor; office, Del Norte; claim, 300 by 1500 feet; located 1877; situated on Seigle mountain, one mile from Mineral City and eight miles from Silverton; vertical vein, trending northeast and southwest, width 3 feet, pay vein, 18 inches; nature of ore, galena and gray copper, assay value, 82 ounces silver per ton; one adit, 15 feet, and one drift, 20 feet in length.

Highland Chief. Owned by W. R. Mitchell, W. S. Stratton and W. B. Sherman; office, Colorado Springs; claim, 300 by 1500 feet; located 1876; situated on King Solomon mountain, Animas mining district, four miles from Howardsville and eight miles from Silverton; course of vein, northeast and southeast, width, 3 feet, pay vein, 8 inches, pitch, 15°; nature of ore, galena and gray copper, value 400 ounces silver per ton; one tunnel 60 feet and one adit 18 feet in length; yield, $300.

Highland Chief. Gust. Johnson, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1875; situated in Eureka gulch, twelve miles from Silverton; course of vein, northeast and southwest, width, 7 feet, pay vein, 30 inches, pitch, 10°; nature of ore, gray copper and galena, value, 200 ounces silver per ton; one adit, 20 feet and one tunnel 25 feet in length.

Highland Mary. Owned by Edward Innis; located July 14, 1874; situated in Cunningham gulch, Animas mining district, seven miles from Silverton; course of vein, northwest and southeast, width, 6 feet, pay vein, 30 inches, dip, southeast; value of ore, 900 ounces silver per ton; development, 5 levels, aggregating 500 feet, and one tunnel, 1300 feet in length. On the surface is a stone engine house, 40 feet square; a large and neatly constructed dwelling house, stables, ore house, post-office, etc.

Home Stake Tunnel. Owned by M. J. Condon & Co.; office, Eureka; claim, 650 by 1500 feet; located 1874; situated on Eureka mountain, near town of Eureka, eight miles from Silverton; course of tunnel, north and south, length, 40 feet.

Humboldt. J. W. Strouse & Co., proprietors; office, Mineral City; claim, 300 by 1500 feet; located 1878; situated in Poughkeepsie gulch, twelve miles from Silverton; course of vein, northeast and southwest, width, 6 feet, pay vein, 2 feet; nature of ore, galena and gray copper; one adit, 10 feet in length.

Hutchinson. A. Clare & Co., proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1874; situated on Silver mountain, Eureka mining district, three miles from town of Animas Forks and elven miles from Silverton; course of vein, northeast and southwest, width, 25 feet, pay vein, 2 feet; nature of ore, gray copper, assay value, $400 per ton; one shaft, 10 feet deep, three adits, 25 feet each.

Hyat Wing. Charles H. and Edward W. McIntire, proprietors; office, Ouray; claim, 200 by 1500 feet; located 1874; situated on Mineral Point mountain, half mile from Mineral City, and eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 20 feet, pay vein, 30 inches; nature of ore, galena and gray copper, assay value, 100 ounces silver per ton; two adits 12 feet each in length.

Idaho. Peter Robertson, proprietor; office, Silverton; claim, 300 by 3000 feet; situated on Kendall mountain, Animas mining district, near Silverton; course of vein, southeast and northwest, width, 4 feet, pay vein, 3 feet; nature of ore, gray copper and galena, value 84 ounces silver per ton; main shaft, 15 feet deep; two tunnels, 20 and 140 feet in length respectively.

Independant. William Cooper & Co., proprietors; office, Lake City; claim, 300 by 1500 feet;

located 1875; situated on Engineer mountain, two miles from Mineral City; course of vein, northeast and southwest, width, 18 feet, pay vein, 10 inches, pitch, 10°; nature of ore, galena and iron pyrites, assay value, 50 ounces silver per ton; four adits, 10 feet each.

Independence. John Lattimore & Co., proprietors; office, Lake City; claim, 300 by 1500 feet; located 1875; situated in Burns gulch, Eureka mining district, two miles from town of Eureka, and ten miles from Silverton; course of vein, northwest and southeast, width, 10 feet, pay vein, 15 inches; nature of ore, antimonial galena and gray copper, assay value, 130 ounces silver per ton; one drift, 45 feet in length, and 30 feet from surface.

Index. M. W. Dresser & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, three miles from Animas Forks, and eleven miles from Silverton; course of vein, northeast and southwest, width, 10 feet, pay vein, 30 inches, pitch, 35°; nature of ore, galena; one adit 20 feet in length, and 20 feet from surface.

Indian Chief. George Green & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; situated at the head of Cement creek, Eureka mining district, twelve miles from Silverton; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 12 inches; nature of ore, gray copper and galena, value, 100 to 400 ounces silver per ton; operated by a tunnel 125 feet in length.

Indus. Owned by M. Pray, E. F. Perry and J. C. Ladd; office, Eureka; claim, 300 by 1500 feet; located 1877; situated on Centennial mountain, Eureka mining district, two miles from town of Eureka, and ten miles from Silverton; vertical vein, trending east and west, width, 30 feet; nature of ore, galena and gray copper, assay value, 165 ounces silver per ton; two shafts, 10 feet each.

Ingleside. C. Paine and I. P. Martell, proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1878; situated on the Animas river, Eureka mining district, two miles from town of Animas Forks, and fourteen miles from Silverton; course of vein, north and south, width, 12 feet, pay vein, 20 inches, pitch, 15°; nature of ore, galena and gray copper, assay value, 100 ounces silver per ton; one adit 12 feet in length.

Ingot. Owned by C. Schofield, of Eureka; claim, 300 by 1500 feet; located 1875; situated in Niagara basin, one mile from town of Eureka; course of vein, north and south, width, 8 feet; nature of ore, galena and sulphurets, assay value, 100 ounces silver per ton; development, one shaft 12 feet deep, and 2 adits 10 and 14 feet in length respectively.

Inter-Ocean Mining Co., of San Juan, Colorado, incorporated under the laws of the state of Iowa, August 31, 1878; capital stock $1,000,000 in 50,000 shares, $20 each; offices, Davenport, Iowa, and Chicago, Ills.; trustees, William Owens, James Reynolds, Robert A. Payne, James M. Pyatt and John R. Bensley.

Iowa. Owned by C. Gregg, E.

Linke and J. O'Neil; office, Silverton; claim, 300 by 1500 feet; located 1875; situated on Round mountain, six miles from Silverton; course of vein, northwest and southeast, width 40 feet, pay vein, 20 inches; nature of ore, free gold and galena, assay value $250 per ton; one shaft, 20 feet deep, one tunnel 35 feet in length.

Irish Boy. M. Higgins & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on Herricane peak, Eureka mining district, twelve miles from Silverton; course of vein, northeast and southwest, width, 5 feet, pay vein 8 inches; nature of ore, gray copper and galena; one adit 10 feet in length.

Iron Crown. George Wilcox & Co., proprietors; office, Eureka, claim, 300 by 1400 feet; located 1878; situated on Silver mountain, Eureka mining district, three miles from town of Eureka, and eleven miles from Silverton; vertical vein, trending northwest and southeast, width, 24 feet, pay vein, 2 feet; nature of ore, galena and gray copper, assay value, 200 ounces silver per ton, one adit, 13 feet in length.

Isabel. M. Green & Co., proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1875; situated on Silver mountain, Eureka mining district, three miles from town of Eureka, and eleven miles from Silverton; vertical vein, trending north and south, width, 50 feet; nature of ore, gray copper and galena, assay value, 150 ounces silver per ton; one shaft, 9 feet deep, one adit, 15 feet in length.

I. X. L. Charles Thurmond, proprietor; office, Animas Forks; claim, 300 by 1500 feet; located 1876; situated on Houghton mountain, Eureka mining district, two miles from town of Animas Forks and eighteen miles from Silverton; course of vein, north and south, width, 60 feet, pitch, 10°; nature of ore, galena, assay value, 60 to 200 ounces silver per ton; one shaft, 15 feet deep, one adit, 15 feet in length.

I. X. L. Tunnel. Owned by the I. X. L. Tunnel Co., organized under the laws of the state of Wisconsin, in the year 1877; capital stock, $200,000 in 20,000 shares, $10 each; offices, Silverton, Colorado, and Milwaukee, Wisconsin, R. G. Owens, prest. and treas, E. Upson, vice-prest., L. E. Parson, sec.; claim, 1500 by 3000 feet; located 1874; situated on Hazelton mountain, Animas mining district, three miles from Silverton; course of tunnel, north and south, length, 500 feet.

Jack-Knife. P. McCay and U. K. White, proprietors; office, Del Norte, claim, 300 by 1500 feet; located 1876; situated on Mineral Point mountain, one mile from Mineral City and eighteen miles from Silverton; vertical vein, tren-northeast and southwest, width, 6 feet; nature of ore, gray copper and sulphurets, assay value, 100 ounces silver per ton; one adit, 40 feet in length.

Jarvis. Henry Promise, proprietor; office, Animas Forks; claim, 300 by 1500 feet; located 1874: situated on Tower mountain, Eureka mining district, nine miles from Silverton; vertical vein, trending north and south, width, 18 feet, pay vein, 2 feet; nature of ore, copper pyrites and galena; one adit, 20 feet in length with 15-foot face.

Jessie. R. H. Ferguson & Son, proprietors; office, Eureka; claim, 300 by 1500 feet; located 1875; situated on Crown mountain, near town of Eureka, nine miles from Silverton; course of vein, north and south, width, 12 feet, pay vein, 3 feet, pitch, 40°; nature of ore, gray copper and galena; one drift 22 feet in length and 20 feet from surface.

J. L. P. Tunnel. George Green & Co., proprietors; office, Silverton; claim, 1500 by 3000 feet; situated on Hazelton mountain, two miles from Silverton; length, 400 feet.

John. George W. McIntire, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Middle creek, half mile from Mineral City, and eighteen miles from Silverton; course of vein, east and west, width, 10 feet, pay vein, 4 feet; nature of ore, galena and gray copper, assay value, $100 silver per ton; three adits, 10, 25 and 45 feet in length respectively.

Junction City No. 2. W. B. House, proprietor; office, Howardsville; claim, 300 by 1500 feet; located 1877; situated on Tower mountain, Eureka mining district, two miles from town of Eureka, and nine miles from Silverton; course of vein, northeast and southwest, width, 12 feet; nature of ore, galena and iron pyrites; one tunnel 30 feet in length.

Kansas. G. E. Peters, proprietor; office, Animas Forks; claim, 300 by 1500 feet; located 1875; situated in Picayune gulch, Eureka mining district, three miles from town of Animas Forks, and eleven miles from Silverton; vertical vein trending northwest and southeast, width 10 feet; nature of ore, brittle silver and gray copper, assay value, 50 to 800 ounces silver per ton; one shaft, 10 feet deep.

Kansas. Owned by H. Miller and H. Lennon; office, Eureka; claim, 300 by 1500 feet; located 1877; situated in the South Fork of Eureka gulch, three miles from town of Eureka, and nine miles from Silverton; vertical vein trending northwest and southeast, width, 6 feet, pay vein, 2 feet; nature of ore, antimony and galena; one shaft, 14 feet deep.

Keystone. John Egan and William Clary, proprietors; office, Silverton; claim, 300 by 1500 feet, located 1877; situated on Brown mountain, Eureka mining district, ten miles from Silverton; vertical vein, trending north and south, width 25 feet; nature of ore, galena, assay value, 60 ounces silver per ton; one drift, 22 feet in length.

King Solomon. Gillett & Co., proprietors; office, Silverton; claim 300 by 1500 feet; located 1876; situated on King Solomon mountain, Animas mining district, four miles from Silverton; course of vein, northeast and southwest, width, 30 feet, pitch 30° east; nature of ore, spar and gray copper, assay value 70 ounces silver per ton; one adit, 25 feet in length, and 20 feet from surface.

Lake Park. Colorado Mining and Land Co., proprietors; office, Buffalo, N. Y.; claim, 300 by 1500 feet; located 1874; situated near Mineral City, eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 15 feet; pay vein, 8 feet, nature of ore, galena and gray copper, assay value 70 ounces silver per ton; one tunnel, 80 feet in length.

Lake View. Henry Jenkins & Co., proprietors; office, Mineral City; claim, 300 by 1500 feet; located 1877; situated on Lake mountain, Uncompahgre mining district, two miles from Mineral City, and twenty miles from Silverton; vertical vein, trending northwest and southeast, width, 7 feet, pay vein, 18 inches; nature of ore, gray copper and galena, assay value, 90 ounces silver per ton; one shaft, 17 feet deep.

Lake View. Mark Watson, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Mineral Point mountain, Uncompahgre mining district, twenty miles from Silverton; course of vein, east and west, width, 30 feet, pitch, 16°; nature of ore, gray copper and galena, assay value, 100 ounces silver per ton; four adits 10 feet in length, respectively.

Lamb. P. McEnany and H. F. Ash, proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1875; situated on Mineral Point mountain, Uncompahgre mining district, near Mineral City, eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 6 feet, pay vein, 2 feet; nature of ore, galena and sulphurets, assay value, 300 ounces silver per ton; one drift, 25 feet in length, and 30 feet from surface.

La Plata. R. P. Bukey & Co., proprietors; office, Animas Forks, claim, 300 by 1500 feet; located 1874; situated on Kendall mountain, Animas mining district, one mile from Silverton; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 18 inches; nature of ore, galena, average value, 40 ounces silver per ton; one shaft, 25 feet deep.

Last Chance. Martin C. Clingham and R. Laws, office, Silverton; claim, 300 by 1500 feet; located 1876; situated on Mineral creek, Animas mining district, seven miles from Silverton; vertical vein, trending northeast and southwest, width, 9 feet, pay vein, 30 inches; nature of ore, galena and iron pyrites, assay value, 70 ounces silver per ton; one drift, 25 feet in length.

Last Chance. C. McCabe & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1877; situated on Cement creek, Eureka mining district, ten miles from Silverton; course of vein, northwest and southeast, width, 24 feet, pitch, 40°; nature of ore, galena, assay value, 90 ounces silver per ton; two adits, 10 and 15 feet in length, respectively.

Lee. C. Burns and W. L. Guinn, proprietors; office, Eureka; claim, 50 by 1500 feet; located 1873; situated on Missouri mountain, Eureka mining district, two miles from town of Eureka, and ten miles from Silverton; course of vein, northwest and southeast, width, 6 feet, pay vein, 2 feet, pitch, 15°; nature of ore, copper pyrites and gray copper, assay value, 200 ounces silver per ton; one drift, 25 feet, and one adit 20 feet in length.

Legal Tender. George Green & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; situated on Hazelton mountain, Animas mining district, two miles from Silverton; vertical vein, trending southeast and northwest; value, of ore, 40 to 100 ounces silver per ton; one shaft, 80 feet deep, one tunnel 400 feet in length and 250 feet from surface, one level 100 feet in length.

Legal Tender. John James and R. C. Muncil, proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1876; situated on Houghton mountain, Eureka mining district, two miles from town of Animas Forks, and eighteen miles from Silverton; course of vein, northwest and southeast, width, 18 feet; nature of ore, galena and gray copper, assay value, 90 ounces silver per ton; one shaft 16 feet deep, two adits 10 and 15 feet in length respectively.

Legal Tender. Thomas Dugan & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1876; situated on Boulder mountain, Animas mining district, two and a half miles from Silverton; vertical vein, trending north and south, width, 4 feet, pay vein, 10 inches; nature of ore, galena and gray copper, assay value, 125 ounces silver per ton; one adit, 15 feet in length, with 12 foot face.

Lelia. Owned by Joseph Ruf and Peter Bicker, of Silverton; claim, 300 by 1500 feet; located 1874; situated on Jones mountain, three miles from town of Eureka; course of vein, northeast and southwest, width, 20 feet, pay vein, 6 inches; nature of ore, gray copper and galena, value, 75 ounces silver per ton; development, one tunnel 80 feet and one level 20 feet in length.

Leviathan. Thomas Johnson, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1876; situated in Poughkeepsie gulch, Uncompahgre mining district, twelve miles from Silverton; vertical vein, trending northwest and southeast, width, 20 feet; nature of ore, gray copper and brittle silver, assay value, 250 to 600 ounces silver per ton; one tunnel 30 feet in length.

Lily. Con. Burns, proprietor; office, Animas Forks; claim, 300 by 1500 feet; located 1873; situated in Burns' gulch, Eureka mining district, two and a half miles from town of Eureka, and ten miles from Silverton; course of vein northwest and southeast, width 4 feet; nature of ore, gray copper and galena, average value 300 ounces silver per ton; one drift, 174 feet in length, and 180 feet from surface; yield, $700.

Lincoln City. Frank Herrod, proprietor; office, Mineral City; claim, 300 by 1500 feet; located 1877; situated on Abraham mountain, fourteen miles from Silverton; vertical vein trending northeast and southwest, width, 6 feet; nature of ore, copper pyrites and antimony, assay value, 78 ounces silver per ton; one shaft, 10 feet deep.

Little Bessie. L. Woodbury & Co., proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1875; situated on Engineer mountain, two miles from Animas Forks, and 18 miles from Silverton; course of vein, northwest and southeast, width, 8 feet; nature of ore, galena, assay value 68 ounces silver per ton; one adit, 16 feet in length, and 30 feet from surface.

Little Maud. Charles H. McIntire, proprietor, office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Seigle mountain; one mile from Mineral City, and eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 30 feet, pay vein, 4 feet; nature of ore, galena, assay value, 80 ounces silver per ton; one adit, 40 feet in length.

Little Nugget. John H. Pritchard, proprietor; office, Del Norte; claim, 300 by 1500 feet; situated on mountain west of the South fork of Mineral creek, twelve miles from Silverton; vertical vein, trending northeast and southwest, width, 4 feet; nature of ore, gray copper and galena; one shaft, 15 feet deep.

London. Barney Mallon & Co., proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1877; situated on the Animas river, Eureka mining district; one mile from town of Animas Forks, and seventeen miles from Silverton; course of vein, northwest and southeast, width 8 feet, pay vein, 2 feet, pitch 10° northwest; nature of ore, galena and gray copper, average value, 100 ounces silver per ton; one shaft, 30 feet deep; yield, $125.

Lone Rock. Johnson Burritt, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1875; situated on Round mountain, Animas mining district, four miles from Silverton; vertical vein, trending northwest and southeast, width, 4 feet, pay vein, 20 inches; nature of ore, galena and gray copper, value 100 ounces silver per ton; one adit, 28 feet, and one tunnel, 40 feet in length.

Louderbach. Owned by J. C. Louderbach, of Silverton; claim, 300 by 1500 feet; located 1876; situated on Mineral creek, five miles from Silverton; course of vein, north and south, width, 4 feet, pay vein, 20 inches; nature of ore, galena and iron pyrites, value, 72 ounces silver per ton; development, two shafts, 10 and 15 feet respectively.

Lulu. T. S. Barke and H. B. Jenkins, proprietors; office, Eureka; claim, 300 by 1500 feet; located 1878; situated on Missouri mountain, Eureka mining district, four miles from town of Eureka, and twelve miles from Silverton; course of vein, northeast and southwest, width, 4 feet, pay vein, 18 inches, nature of ore, galena and gray copper, assay value, 162 ounces silver per ton, one adit, 10 feet in length.

Maggie Bell. Owned by J. Beach, S. Rogers, and W. H. Rogers of Colorado Springs; claim, 300 by 1500 feet; situated on Siegle Mountain, Eureka mining district, fourteen miles from town of Silverton; course of vein, northeast and southwest, width, 12 feet, pitch, 45°, pay vein, 4 feet; nature of ore, gray copper and galena, average value, 37 ounces silver per ton; one drift, 100 feet in length.

Maid. R. H. Ferguson & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1876; situated on Tower mountain, near town of Eureka, nine miles from Silverton; course of vein, east and west, with, 12 feet, pay vein, 3 feet, pitch, 45°; nature of ore, galena and gray copper, assay value, 140 ounces silver per ton; one drift, 32 feet in length and 20 feet from surface.

Martha. G. Griffin & Bros., proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1876; situated on Houghton mountain, Eureka mining district, ten miles from Animas Forks and sixteen miles from Silverton; vertical vein, running east and west, width, 7 feet, pay vein, 20 inches; nature of ore, galena and gray copper, assay value, 20 to 200 ounces silver per ton; two adits, 12 and 15 feet in length respectively.

Mary Jane. Owned by T. Byron and J. Tyrrell; office, Animas Forks; claim, 300 by 1500 feet; located 1877; situated on Picayune mountain, Eureka mining district, three miles from Animas Forks, and eleven miles from Silverton; course of vein, northeast and southwest, width, 20 feet; pay vein, 3 feet; nature of ore, gray copper and sulphurets, assay value, 300 to 500 ounces silver per ton; one shaft, 14 feet deep; one adit 20 feet in length and 15 feet from surface.

Mastadon. Owned by the Mastadon Mining Co., incorporated September 11, 1877; capital stock, $300,000, in 3,000 shares, $100 each; offices, Animas Forks, Colorado, and Cleveland, Ohio; trustees, Alfred A. Hard, J. T. Wamelink, J. Frank Isham, Anthony P. Berghoff, William Selah Chamberlain, Charles A. Brayton, Thomas Maher, Henry W. Heady and Charles C. Bowen; claim, 300 by 1500 feet; located 1874; situated on California mountain, one mile from Animas Forks; course of vein, northwest and southeast, width, 60 feet, pay vein, 8 feet, pitch, 10°; nature of ore, gray copper and galena, value, 80 ounces silver per ton; development, three shafts, 10, 20 and 35 feet in depth, respectively, and one tunnel, 160 feet in length.

Mavenau. C. Harding and W. Rummel, proprietors; office, Eureka; claim, 300 by 1500 feet; located 1877; situated in Minnie gulch, Eureka mining district, six miles from Silverton; vertical vein, trending northeast and southwest, width 14 feet; nature of ore, gray copper and galena, assay value, 180 ounces silver per ton; one adit, 25 feet in length.

Mayflower. John Thomas & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Engineer mountain, two miles from Mineral City and twenty miles from Silverton; course of vein, northeast and southwest, width, 20 feet, pitch, 15°; nature of ore, gray copper, iron and copper pyrites, assay value, 90 ounces silver per ton; one adit, eighteen feet in length.

McClure. A. W. Burrows & Co., proprietors; office, Del Norte; claim, 300 by 1500 feet; located 1874; situated on Mineral Point mountain, eighteen miles from Siverton; vertical vein, trending northeast and southwest, width, 75 feet, pay vein, 3 feet; nature of ore, galena, assay value, 150 ounces silver per ton; one adit, 30 feet in length.

McIntire. Colorado Mining and Land Co., proprietors; office, Buffalo, N. Y.; claim, 300 by 1500 feet; located 1875; situated on Houghton mountain, one mile from Mineral City, and seventeen miles from Silverton; vertical vein, trending northeast and southwest, width, 20 feet; nature of ore, gray copper, assay value, $300 silver per ton; one shaft, 14 feet deep, one tunnel, 45 feet in length.

McKinnie. J. R. McKinnie & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1875; situated on Niagara mountain, two miles from town of Eureka, and nine miles from Silverton; course of vein, east and west, width, 30 feet, pitch, 10°; nature of ore, gray copper, assay value, 60 to 600 ounces silver per ton; one adit 18 feet in length.

Melrose. William Jackson and N. Brooks, proprietors; office, Eureka; claim, 300 by 1500 feet; located 1877; situated in Rosse's basin, Eureka mining district, ten miles from Silverton; course of vein, north and south, width, 40 feet, pitch, 18°; nature of ore, galena and iron pyrites, assay value, 20 to 100 ounces silver per ton; two shafts, 10 and 12 feet in depth respectively.

Melville Mining and Reduction Co., incorporated October 9, 1876; capital stock, $150,000, in 1500 shares, $100 each; office, Silverton; organized by W. G. Melville, G. W. Glick, E. Summerfield, A. P. Clark, Charles C. Duncan and August Poehler. This company own a half interest in five mines, which are situated on Sultan mountain, near limits of town of Silverton, within a radius of one mile from their works.

Mineral Point Tunnel Co., organized under the laws of the State of New York; offices, New York City and Animas Forks, Colorado, Franklin J. Pratt, prest., Edward C. Hancock, sec., E. Steinbach, agent.

Minnehaha. G. N. Richardson, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1876; situated on the east fork of Cement creek, Eureka mining disrtict, nine miles from Silverton; course of vein, northeast and southwest, width, 13 feet, pay vein, 2 feet, pitch, 10°; nature of ore, galena and gray copper, assay value, 50 to 800 ounces silver per ton; one drift 80 feet in length and 45 feet from surface.

Minnehaha. John Back & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located, 1876; situated on Pioneer mountain, Animas mining district, seven miles from Silverton; course of vein, northwest and southeast, width, 30 inches, pay vein, 10 inches, pitch, 25°; nature of ore, gray copper and galena, assay value, 150 ounces silver per ton; one drift, 19 feet in length.

Minnie. Owned by E. R. Hopkins, J. J. Isam and W. B. House; office, Howardsville; claim, 300 by 1500 feet; located 1876; situated on Tower mountain, Eureka mining district, two miles from Eureka, and nine miles fram Silverton; course of vein, northeast and southwest, width 7 feet; nature of ore, galena and gray copper, assay value 500 ounces silver per ton; one shaft, 12 feet deep, one tunnel, 60 feet in length, and 35 feet from surface.

Minnie. Valentine Goeglin & Bro., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1877; situated on Middle mountain, Eureka mining district, two miles and a half from town of Eureka, and seven miles from Silverton; vertical vein, trending northwest and southeast, width 10 feet, pay vein, 2 feet; nature of ore, gray copper, assay value, 75 ounces silver per ton; one tunnel, 100 feet in length, intersecting vein at a depth of 100 feet.

Mobile. Charles Wickman & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located, 1875; situated in Poughkeepsie basin, twelve miles from Silverton; vertical vein, trending east and west; width, 30 feet; nature of ore, galena and sulphurets, assay value, 150 ounces silver per ton; three adits, aggregating 50 feet in length.

Modoc. Henry Leroy & Co., proprietors; office, Lake City; claim, 300 by 1500 feet; located, 1876; situated on Engineer mountain, two miles from Mineral City, and twenty miles from Silverton; vertical vein, trending north and south, width, 6 feet, nature of ore, galena and iron pyrites, assay value, 200 ounces silver per ton; one shaft, 12 feet deep, one adit, 15 feet in length.

Mogul. D. McGillivray & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located, 1877; situated in Eureka mining district, one mile from town of Eureka, and eight miles from Silverton; vertical vein, trending east and west, width, 7 feet, pay vein, 18 inches; nature of ore, galena and iron pyrites, one drift 30 feet in length, and 35 feet from surface.

Molas. L. W. Pattison & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1876; situated on Ruby hill, Animas mining district, four miles from Silverton; course of vein, northeast and southwest, width, 25 feet, pay vein, 14 inches; nature of ore, galena, gray copper and ruby silver, average value, 200 ounces silver per ton; two shafts, 45 and 60 feet in depth, respectively, one tunnel, 90 feet in length.

Morning Star. Thomas Dunton and C. Price, proprietors; office, Eureka; claim, 300 by 1500 feet; located 1876; situated in Eureka gulch, Eureka mining district, one mile from town of Eureka and nine miles from Silverton; vertical vein, trending north and south, width, 7 feet, pay vein, 20 inches; nature of ore, galena and iron pyrites, average value, 20 ounces silver per ton; one drift, 80 feet in length.

Morning Star. Charles Carlstrom, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on Stuart mountain, Uncompahgre mining district, fourteen miles from Silverton; course of vein, northeast and and southwest, width, 10 feet, pay vein, 2 feet, pitch, 20°; nature of ore, galena and sulphurets, average value, 224 ounces silver per ton; one shaft, 11 feet deep.

Morris, Charles. Charles H. McIntire, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1874; situated in Uncompahgre cañon, three miles from Mineral City and eighteen miles from Silverton; course of vein, northeast and southwest, width, 10 feet, pay vein, 6 feet; nature of ore, galena and gray copper, assay value, 75 ounces silver per ton; one adit, 10 feet and one drift, 15 feet in length.

Mount Vernon. Owned by M. Rich, Frederick Blaisdell and others; office Lake City; claim, 300 by 1500 feet; discovered 1873; situated on the Animas river, near town of Euerka, nine miles from Silverton; course of vein, north and south, width, 5 feet, pay vein, 4 to 8 inches, pitch, 15° west; nature of ore, gray copper, average value, 170 ounces silver per ton; two shafts, 20 and 23 feet in depth, respectively.

Mountain Eagle. Owned by Gust Johnson & Co.; office, Silverton; claim, 300 by 1500 feet; located 1875; situated in Ross's basin, ten miles from Silverton; course of vein, northeast and southwest, width, 25 feet, pay vein, two feet, pitch, 10°; nature of ore, galena and gray copper, assay value, 200 ounces silver per ton; one shaft, 25 feet deep.

Mountain King. Charles Hill, proprietor; office, Howardsville; claim, 300 by 1500 feet; located 1877; situated on Green mountain, Animas mining district, nine miles from Silverton; course of vein, east and west, width, 125 feet, pay vein, 12 feet, pitch, 15°; nature of ore, gray copper and galena, assay value, 50 to 1,000 ounces silver per ton; one shaft, 75 feet deep, one drift, 75 feet in length; shaft house, 20 by 20 feet.

Mountain King. Owned by Charles and Clabe Jones and Henry Warren; office, Animas Forks; claim, 300 by 1500 feet; located 1878; situated on Hurricane peak, five miles from town of Eureka and twelve miles from Silverton; vertical vein, trending northeast and southwest, width, 40 feet, pay vein, 5 feet; nature of ore, brittle silver and gray copper, assay value, 830 ounces silver per ton; one adit 15 feet in length.

Mountain King, C. P. Mellor & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1877; situated in Eureka gulch, Eureka mining district, three miles from town of Eureka, and eleven miles from Silverton; course of vein, northwest and southeast, width, 35 inches, pay vein, 30 inches, pitch, 25°; nature of ore, gray copper and galena, assay value, 160 ounces silver per ton; two adits 15 feet each.

Mountain Maid. J. M. King, E. S. Finch and J. C. Haggerty, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Pioneer mountain, Animas mining district, eight miles from Silverton; course of vein, east and west, width, 18 feet, pay vein, 4 feet, pitch, 35°; nature of ore, galena and carbonate of lead, average value, 50 ounces silver per ton; one adit 10 feet in length.

Mountain Queen. Owned by Frederick B. Beaudry & Co., L. Le Fevre, John H. Maugan, James Raser, Henry Warren, Joseph Eledge and Henry Wolcott; office, Lake City; claim, 300 by 1500 feet; located 1874; situated on California mountain, at the head waters of the Animas and Cement rivers, Eureka mining district, three miles from Animas Forks, and twelve miles from Silverton; vertical vein, trending northeast and southwest, width, 20 feet, pay vein, 5 feet; nature of ore, gray copper and galena, average value, $75 per ton; one shaft 104 feet deep, two levels 50 and 104 feet from surface respectively, aggregating 150 feet in length; yield, $65,000.

Mountain Pride. C. Plumb and J. S. Roupe, proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1875; situated on the Animas river, Eureka mining district, two and a half miles from town of Animas Forks, and fourteen miles from Silverton; course of vein, northeast and southwest, width, 45 feet, pitch, 20°; nature of ore, galena and iron pyrites, assay value, 30 ounces silver per ton; one tunnel 40 feet in length.

Mutual Gold and Silver Mining Association, incorporated April 18, 1878; capital stock, $50,000, in 5,000 shares, $10 each; offices, Silverton, and New York City; trustees, Clint., Lorenzo D. and Almon H. Roudebush, Allen S. Wightman and Fred. W. Jones.

My Choice. Owned by Frank Herrod and J. M. Stuart; office, Mineral City; claim, 370 by 1500 feet; located 1877; situated in Poughkeepsie basin, twelve miles from Silverton; vertical vein, trending northeast and southwest, width, 370 feet, pay vein, 5 feet; nature of ore, galena and gray copper, assay value, 200 ounces silver per ton; one shaft 10 feet deep, three adits 15 feet from surface respectively, aggregating 50 feet in length.

Napoleon Extension. O. O. Larson & Co., proprietors; office, Del Norte; claim, 300 by 1500 feet; located, 1875; situated on Houghton mountain, one mile from Mineral City, and eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 14 feet, pay vein, 2 feet; nature of ore, galena and gray copper, average value, 100 ounces silver per ton; one shaft, 33 feet deep; shaft house, 16 by 18 feet.

Nasby. Owned by Frederick Blaisdale and J. D. Neiswanger; office, Eureka; claim, 300 by 1500 feet; located, 1875; situated in town of Eureka, nine miles from Silverton; vertical vein, trending northeast and southwest, width, 3 feet, pay vein, 1 foot; nature of ore, iron pyrites and galena, assay value, $75 per ton; one drift, 15 feet in length and 12 feet from surface.

National. John Hammill & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located, 1877; situated on Wood's mountain, Eureka mining district, two miles from town of Animas Forks, and seventeen miles from Silverton; course of vein, east and west, width, 18 feet; nature of ore, galena and iron pyrites, assay value, 60 ounces silver per ton; one drift, 20 feet in length.

Neptune, extension of the Mastadon. Owned by M. Rich and Francis A. Cook; office, Lake City; claim, 300 by 1500 feet; discovered, 1874; situated on the left fork of the Animas river, three miles from Animas Forks, and fifteen miles from Silverton; course of vein, northeast and southwest, width, 270 feet, pitch, 20° south, nature of ore, gray copper, galena and sylvanite, average value, 60 ounces silver per ton; three shafts, aggregating 50 feet in depth.

Nevada. J. M. Donnel & Co., proprietors; office, Animas Forks; claim, 300 by 1500 feet; located, 1874; situated on California mountain, Eureka mining district, two miles from Animas Forks, and eighteen miles from Silverton; course of vein, northeast and southwest, width, 5 feet, pay vein, 3 feet, pitch, 30°; nature of ore, gray copper and brittle silver, assay value, 100 to 10,000 ounces silver per ton; one shaft, 20 feet deep, two adits, 12 feet in length each.

New Castle. Henry Carley, proprietor; office, Animas Forks; claim 300 by 1500 feet; located, 1877; situated on Treasure mountain, Eureka mining district, one mile from town of Animas Forks, and seventeen miles from Silverton; course of vein, northwest and southeast, width, 7 feet, pay vein, 30 inches; nature of ore, gray copper and galena, average value, 75 ounces silver per ton; one adit, 25 feet in length, with 15 foot face.

New Era. Owned by George Wilcox, H. Rand and others; office, Eureka; claim, 300 by 1500 feet; located 1876; situated in Picayune gulch, Eureka mining district, three miles from town of Eureka, and eleven miles from Silverton; course of vein, east and west, width, 40 feet, pitch, 15°; nature of ore, galena and iron pyrites, assay value, 160 ounces silver per ton; one shaft, 10 feet deep, one adit, 15 feet in length.

New York and San Juan Mining Co., organized under the laws of the State of New York; office, Mineral City; A. W. Burrows, agent, Jared F. Harrison, prest., Edward C. Hancock, sec.

Nil Desperandum. Albert Marzetti, proprietor; office, Howardsville; claim, 300 by 1500 feet; located 1877; situated on Tower mountain, Eureka mining district, two miles from town of Eureka, and nine miles from Silverton; course of vein, northwest and southeast, width, 11 feet, pay vein, one foot; nature of ore, galena and copper pyrites, assay value, 56 ounces silver per ton; one adit, 21 feet in length.

N. G. J. B. Ross, proprietor; office, Eureka; claim, 300 by 1500 feet; located 1878; situated in Ross' basin, Eureka mining district, five miles from town of Eureka and ten miles from Silverton; course of vein, northeast and southwest, width, 50 feet, pay vein, 3 feet; nature of ore, galena and gray copper; one drift, 50 feet in length, and 30 feet from surface.

No Name. R. J. McNutt, proprietor; office, Eureka; claim, 300 by 1500 feet; located 1873; situated in Eureka gulch, three miles from Eureka and eight miles from Silverton; vertical vein, trending north and south, width, 25 feet, pay vein, 6 feet; nature of ore, galena, assay value, 40 ounces silver per ton; one adit, 15 feet in length and 12 feet from surface.

None Such. W. Williams and M. J. Condict, proprietors; office, Silverton; claim, 300 by 1500 feet; located 1877; situated in Ohio gulch, Animas mining district, five miles from Silverton; vertical vein, trending northwest and southeast, width, 5 feet, pay vein, 3 feet; nature of ore, galena and iron pyrites, assay value, 30 to 200 ounces silver per ton; one shaft, 10 feet deep, one adit, 15 feet in length.

Norris, Lizzie. Owned by William Norris; office, Eureka; claim, 300 by 1500 feet; located 1877; situated two miles from town of Eureka and eight miles from Silverton; vertical vein, trending northwest and southeast, width, 20 feet; nature of ore, iron pyrites and gray copper; one adit, 15 feet in length and 10 feet from surface.

North Star. William Williams

& Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1876; situated on Sultan mountain, Animas mining district, one mile from town of Silverton; vertical vein, trending northwest and southeast, width, 6 feet, pay vein, 9 inches; nature of ore, galena and gray copper, average value, 200 ounces silver per ton; one drift, 75 feet in length.

North Star. Owned by Joseph Reef and Crooke Bros., of Silverton; claim, 300 by 1500 feet; located 1874; situated on King Solomon mountain, five miles from Silverton, vertical vein, trending east and west, width, 8 feet, pay vein, 3 feet; value of ore, 200 ounces silver per ton; development, one shaft, 70 feet, and two tunnels 100 and 150 feet in length respectively; yield, $60,000.

Occidental. T. R. Gammon & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Ruby Hill, Animas mining district, five miles from Silverton; course of vein, northwest and southeast, width, 4 feet, pay vein, 20 inches, pitch, 20°; nature of ore, gray copper and galena, assay value, 100 ounces silver per ton; two adits, 10 feet each.

Ocean Wave. Andrew Cumtens, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1876; situated in Grouse gulch, three miles from town of Eureka, and 14 miles from Silverton; vertical vein, trending northeast and southwest, width, 40 feet; nature of ore, galena, assay value, 30 ounces silver per ton; one drift, 55 feet in length.

O'Connell. John Egan & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1876; situated on Sultan mountain, Animas mining district, three miles from Silverton; vertical vein trending east and west, width, 4 feet; nature of ore, gray copper and galena, assay value, 200 ounces silver per ton; one shaft, 20 feet deep.

O. K. George A. Castle & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1876; situated on Green mountain, Animas mining district, eight miles from Silverton; vertical vein, trending north and south, width, 2 feet, pay vein, 20 inches; nature of ore, gray copper and copper pyrites, assay value, 300 ounces silver per ton; one shaft, 10 feet deep, one tunnel, 45 feet in length, which intersects the vein 60 feet from surface.

O. K. M. Pray & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1877; situated on Treasure mountain, Eureka mining district, sixteen miles from Silverton; vertical vein, trending northeast and southwest, width, 10 feet, pay vein, 18 inches; nature of ore, galena and gray copper, assay value, 125 ounces silver per ton; one adit 18 feet in length.

O. K. Owned by John Meyer, James Dooley and George Rohwer; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on Poughkeepsie mountain, twelve miles from Silverton; course of vein, northeast and southwest, width, 10 feet, pay vein, 10 inches; nature of ore, galena and brittle silver, assay value, 500 ounces silver per ton; one drift 20 feet in length and 20 feet from surface.

Onetta. S. Peterson and E. Larson, proprietors; office Eureka; claim, 300 by 1500 feet; located 1875; situated on Missouri mountain, Eureka mining district, two miles from town of Eureka, and ten miles from Silverton; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, 18 inches; nature of ore, galena and gray copper; one drift 75 feet in length.

Ontario. James T. Rawlings & Co., proprietors; office, Denver; claim, 300 by 1500 feet; located 1875; situated on the Animas river, Eureka mining district, two miles from town of Animas Forks, and fourteen miles from Silverton; course of vein, east and west, width, 7 feet, pay vein, 18 inches, pitch, 20° north; nature of ore, gray copper and galena; one drift, 30 feet in length, and 20 feet from surface.

Othello. Owned by R. Tilton, E. C. Howard and others; office, Silverton; claim, 300 by 1500 feet; located 1876; situated on Mineral creek, Animas mining district, five miles from Silverton; vertical vein, trending east and west, width, 5 feet, pay vein, 2 feet; nature of ore, galena and carbonate of lead, assay value, 90 ounces silver per ton; one drift 20 feet in length.

Ottawa. P. McEnany and H. T. Ash, proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1876; situated on Lake mountain, near Mineral City, eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 8 feet, pay vein, 30 inches; nature of ore, galena and sulphurets, assay value, 42 to 95 ounces silver per ton; one adit 15 feet in length, with 13 foot face.

Ottawa. A. F. Krauss & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located, 1876; situated on Green mountain, Animas mining district, eight miles from Silverton; vertical vein, trending northwest and southeast, width, 6 feet, pay vein, 3 feet; nature of ore, galena and iron pyrites; one shaft, 22 feet deep.

Pacific. Charles Miller, proprietor; office, Eureka; claim, 300 by 1500 feet; located, 1877; situated on Silver mountain, Eureka mining district, three miles from town of Eureka, and nine miles from Silverton; vertical vein, trending north and south, width, 10 feet, pay vein, 4 feet; nature of ore, galena, assay value, 100 ounces silver per ton; one shaft, 20 feet deep.

Pacific. G. Griffin & Co., proprietors; office, Animas Forks; claim, 300 by 1500 feet; located, 1876; situated on California mountain, Eureka mining district, three miles from town of Animas Forks, and seventeen miles from Silverton; course of vein, northwest and southeast, width, 20 feet, pay vein, 18 inches, pitch, 10°; nature of ore, galena and gray copper, assay value, 100 ounces silver per ton; two drifts, 20 feet each.

Parker, Jennie. Owned by Joseph Cuenin, C. J. Rouech, August Tallott and Henry Guillett; office, Del Norte; claim, 300 by 1500 feet, patented; located 1875; situated on Sultan mountain, Animas mining district, near limits of Silverton; course of vein, northeast and southwest, width, 8 feet, pay vein, 3 feet, pitch, 10° west; nature of ore, gray copper and galena, average value, 122 ounces silver per ton; main shaft, 80 feet deep; one tunnel, 50 feet in length.

Pay-Master. James Peterson and I. Stoll, proprietors; office, Silverton; claim, 300 by 800 feet; located 1877; situated on Kendall mountain, Animas mining district, one mile from Silverton; vertical vein, trending north and south, width, 6 feet, pay vein, 18 inches; nature of ore, galena, iron and copper pyrites, assay value, 50 ounces silver per ton; two adits, 10 and 15 feet in length, respectively.

Philadelphia. Owned by Niegold Bros., of Niegoldsville; claim, 300 by 1500 feet; located 1872; situated on Green mountain, seven miles from Silverton; development, 300 feet of tunnels; yield, $20,000.

Phœnix. H. Harrington and J. Walsh, proprietors; office, Eureka; claim, 300 by 1500 feet; located 1877; situated in Ross' basin, Eureka mining district, ten miles from Silverton; vertical vein, trending east and west, width, 8 feet, pay vein, 28 inches; nature of ore, galena, assay value, 160 ounces silver per ton; one shaft, 25 feet deep.

Phœnix. Owned by Myer, Dooley & Co.; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Poughkeepsie mountain, Uncompahgre mining district, twelve miles from Silverton; course of vein, northwest and southeast, width, 6 feet; nature of ore, galena and sulphurets; one adit, 12 feet in length and 12 feet from surface.

Pioneer Mining and Milling Co., incorporated October 11, 1875; capital stock, $1,000,000, in 10,000 shares, $100 each; office, Silverton; corporators, M. D. Harman, M. J. Alkire, W. B. Sherman, William L. Smith, Thomas C. Graden, T. S. White and W. T. McDonald.

Planet. Owned by Dr. Beiton, of Eureka; claim, 300 by 3000 feet; located 1875; situated on Tower mountain, two miles from Eureka; vertical vein, trending northwest and southeast, width, 24 feet, value of ore, 150 ounces silver per ton; development, one drift, 60 feet in length and 50 feet from surface.

Pomeroy. Valentine Goeglin and P. Savage, proprietors; office, Eureka; claim, 300 by 1500 feet; located 1877; situated on Middle mountain, Eureka mining district, two miles and a half from town of Eureka and seven miles from Silverton; vertical vein, trending northwest and southeast, width, 4 feet, pay vein, 2 feet; nature of ore, iron pyrites and gray copper, one adit, 15 feet in length.

Pontoon. George N. Propper and A. W. Burrows, proprietors; office, Del Norte; claim, 300 by 1500 feet; located 1874; situated in Burns' gulch, Eureka mining district, two miles from town of Eureka, and ten miles from Silverton; vertical vein, trending north and south, width, 4 feet, pay vein, 20 inches; nature of ore, gray copper and sulphurets, assay value, 50 to 900 ounces silver per ton; one drift, 40 feet in length, and 40 feet from surface.

Port Henry. P. McEnany, proprietor; office, Animas Forks; claim, 300 by 1500 feet; located 1875; situated on Lake mountain, Uncompahgre mining district, near Mineral City, eighteen miles from Silverton; course of vein, northeast and southwest, width, 5 feet, pay vein, 30 inches, pitch, 25° north; nature of ore, brittle silver, assay value, 182 ounces silver per ton; one shaft, 40 feet deep.

Port Jervis. Henry Jenkins, proprietor; office, Silverton; claim, 300 by 1500 feet; situated on Sultan mountain, Animas mining district, two miles from Silverton; course of vein, northeast and southwest, width, 6 feet, pay vein, 20 inches, pitch, 15°; nature of ore, gray copper and galena, assay value, 125 ounces silver per ton; one adit, 30 feet in length.

Poughkeepsie. Owned by R. J. McNutt and G. Howard; office, Euraka; claim, 300 by 1500 feet; located 1873; situated in Poughkeepsie gulch, Uncompahgre mining district, eight miles from Ouray; vertical vein, trending east and west, width, 40 feet, pay vein, 5 feet; nature of ore, gray copper and sulphurets, average value, 150 ounces silver per ton; two drifts, 75 and 170 feet from surface, respectively, aggregating 250 feet in length.

Preston. C. Rugg & Co., proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1877; situated in Grouse gulch, Eureka mining district, two miles from town of Animas Forks and twelve miles from Silverton; vertical vein, trending northwest and southeast, width, 7 feet; pay vein, 3 feet; nature of ore, gray copper and galena, assay value, 100 ounces silver per ton; one drift, 18 feet in length.

Pride of the West. Owned by Jackson Seward, C. E. Schoelkopf and others; claim, 300 by 1500 feet; located 1871; situated on Green mountain, Animas mining district, six miles from Silverton; vertical vein, trending northwest and southeast, width, 60 to 80 feet, pay vein, 10 to 15 feet; nature of ore, galena and gray copper, average value, 125 ounces silver per ton; development, 250 feet, of drifts and tunnels and one shaft, 100 feet deep; yield, $30,000.

Prince of Wales. San Juan Bullion Co., proprietors; office, Chicago, Ills.; claim, 300 by 1500 feet; located 1876; situated on Hurricane peak, Eureka mining district, three miles from town of Animas Forks, and twelve miles from Silverton; vertical vein, trending north and south, width, 5 feet, pay vein, 2 feet; nature of ore, gray copper and brittle silver, average value, 168 ounces silver per ton; one shaft, 35 feet deep, one drift, 30 feet in length.

Promontory. George N. Propper and A. W. Burrows, proprietors; office, Del Norte; claim, 300 by 1500; located 1874; situated in Burns' gulch, Eureka mining district, two miles from town of Eureka, and 10 miles from Silverton; vertical vein, trending northeast and southwest, width, 10 feet, pay vein, 4 feet; nature of ore, galena, assay value, 100 to 500 ounces silver per ton; one adit, 30 feet in length, width, 50 foot face.

Prospector. Owned by Joel W. Shackelford and George S. Smith; office, Denver; claim, 200 by 1500 feet; situated on Hazelton mountain Animas mining district, three miles from Silverton; course of vein, northwest and southeast;

width, 4 feet, pay vein, 4 to 30 inches, pitch, 15° south; nature of ore, galena and gray copper, average value, 200 ounces silver per ton; main shaft, 120 feet deep, and two other shafts, aggregating, 150 feet, reached by tunnel at a distance of 600 feet from the mouth and intersected at a depth of 515 feet, aggregate length of levels, 500 feet; three shaft houses 15 by 30 feet each; yield, $40,000.

Protection. Charles Carlstrom & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Mineral Point mountain, fourteen miles from Silverton; course of vein, northeast and southwest, width, 12 feet, pay vein, 10 inches, pitch, 30°; nature of ore; gray copper, assay value, 150 ounces silver per ton; one adit, 15 feet, with 15 foot face.

Quaker City. John Ryan and Edmund P. True, proprietors; office, Silverton: claim, 300 by 1500 feet; located 1876; situated on Hazelton mountain, Animas mining district, five miles from Silverton; vertical vein, running northwest and southeast, width, 4 feet, pay vein, 8 inches; nature of ore, galena and gray copper, assay value, 250 ounces silver per ton; one drift, 22 feet in length.

Queen City. F. Herbst & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1875; situated in Ohio gulch, Animas mining district, three miles from Silverton; course of vein, northeast and southwest, width, 5 feet, pay vein, 15 inches, pitch, 25°; nature of ore, galena, average value, 50 ounces silver per ton; one drift, 30 feet in length, and 20 feet from surface.

Red Cloud. Charles H. McIntire and A. W. Burrows, proprietors; office, Del Norte; claim, 120 by 1500 feet; located 1874; situated on Mineral Point mountain, Uncompahgre mining district, eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 30 feet, pay vein 30 inches; nature of ore, galena and gray copper, assay value, 200 ounces silver per ton; one adit 30 feet, and one drift 50 feet in length.

Red Point. P. McEnany, proprietor; office, Animas Forks; claim, 300 by 1500 feet; located 1874; situated in Placer gulch, Eureka mining district, two miles from town of Animas Forks, and sixteen miles from Silverton; course of vein, northeast and southwest, width, 75 feet; nature of ore, galena, average value, 75 ounces silver per ton; one drift, 25 feet in length, and 20 feet from surface.

Reliable. E. M. King and J. J. Hance, proprietors; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Brown mountain, Eureka mining district, ten miles from Silverton; course of vein, north and south, width, 18 inches; nature of ore, galena and gray copper; one drift 20 feet in length and 30 feet from surface.

Republic. S. Jones and W. Hippe, proprietors; office, Howardsville; claim, 300 by 1500 feet; located 1876; situated on King Solomon mountain, Animas mining district, six miles from Silverton; vertical vein, trending northwest and southeast, width, 9 feet, pay vein, one foot; nature of ore, gray copper and galena, assay value, 175 ounces silver per ton; one adit 20 feet in length.

Rock Island. Owned by James J. and Albert Bernard, Daniel J. and James D. McKay, William Forsyth and John M. Ross; office, Howardsville; claim, 300 by 1500 feet; located 1874; situated on Galena mountain, near Howardsville; course of vein, northeast and southwest, width, 4 feet; nature of ore, galena, iron and copper pyrites, average assay value, 75 ounces silver and 3 ounces gold per ton; one tunnel 30 feet in length.

Rocky Point. J. H. Crane, W. C. Magee, and R. Magee, proprietors; office, Lake City; claim, 300 by 1500 feet; located 1875; situated on Woods mountain, Uncompahgre mining district, three miles from Mineral City, and nineteen miles from Silverton; vertical vein, trending north and south, width, 8 feet; nature of ore, galena and gray copper, assay value, 70 ounces silver per ton; one adit 15 feet, and one drift 20 feet in length.

Rollo No. 2. Oluf Sandstone & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1877; situated in Poughkeepsie gulch, Uncompahgre mining district, twelve miles from Silverton; vertical vein, trending northeast and southwest, width, of pay vein, 18 inches; nature of ore, gray copper and iron pyrites, assay value, 100 ounces silver per ton; one tunnel 25 feet in length, and 25 feet from surface.

Roman. H. Harrington & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1876; situated on Silver mountain, Eureka mining district, three miles from Eureka, and eleven miles from Silverton; vertical vein, trending east and west, width, 5 feet; nature of ore, brittle silver and gray copper, assay value, 800 ounces silver per ton; one adit 20 feet in length.

Roman Beauty. R. H. Ferguson & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1875; situated on Crown mountain, near town of Eureka, nine miles from Silverton; course of vein, northeast and southwest, width, 15 feet, pay vein 5 feet, pitch, 40°; nature of ore, gray copper and iron pyrites, assay value, 608 to 3370 ounces silver per ton; two dri[illegible], 28 and 12 feet in length respectively.

Ross. Owned by James B. and Hugh Ross; office, Eureka; claim, 300 by 1500 feet; located 1876; situated in Ross' basin, Eureka mining district, five miles from town of Eureka and ten miles from Silverton; course of vein, northeast and southwest, width, 40 feet, pay vein, 30 inches, pitch, 10°; nature of ore, copper pyrites and gray copper, assay value, 112 ounces silver per ton; two shafts, 10 feet in depth each, one drift, 50 feet in length and 60 feet from surface.

Royal Gem. Thomas Dugan & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Kendall mountain, Animas mining district, one mile from Silverton; vertical vein, trending east and west, width 6 feet, pay vein, 18 inches; nature of ore, galena and iron pyrites, average value, 30 ounces silver per ton; one drift, 20 feet in length, with 15 foot face.

Ruby. Owned by A. O. Terry,

D. D. Burns and G. W. Cummings; office, St. Louis, Mo.; claim, 300 by 1500 feet; located 1875; situated on Watson mountain, near town of Eureka, nine miles from Silverton; course of vein, northeast and southwest, width, 7 feet, pay vein, 4 feet, pitch, 25°; nature of ore, sulphurets, galena and gray copper, average value, 100 ounces silver per ton; one shaft, 25 feet deep, two tunnels, aggregating 120 feet in length, intersecting vein at a depth of 48 and 60 feet respectively.

Rudolph. Daniel Wyman, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1876; situated on Mineral creek, Animas mining district, four miles from Silverton; course of vein, north and south, width, 4 feet, pay vein, 20 inches, pitch, 30°; nature of ore, gray copper and iron pyrites, assay value, 80 ounces silver per ton; one drift, 28 feet in length.

San Francisco. Owned by J. M. Donnel, M. E. Copland, T. Chestnut and H. Israel; office, Animas Forks; claim, 300 by 1500 feet; located 1874; situated on California mountain, Eureka mining district, one mile from Animas Forks, and eighteen miles from Silverton; course of vein, northeast and southwest, width, 100 feet, pay vein, 6 feet, pitch, 30°; nature of ore, iron and copper pyrites and galena, average value, 75 ounces silver per ton; two adits, 12 and 15 feet in length respectively.

San Juan Bullion Co., incorported under the laws of the State of Wisconsin, September, 1878; capital stock $2,500,000 in 100,000 shares, $25 each; offices, Grand Rapids, Wisconsin, and Animas Forks, Colorado; trustees, Andrew Forbes, J. P. Kennedy and others.

San Juan Mining and Development Co., incorporated December 9, 1875; capital stock, $30,000, in 60 shares, $500 each; offices, Chicago, Illinois, and Denver, Colorado; organized by Marcus C. Stearns, Joel W. Shackelford and John E. Stearns.

Saxon. Owned by James B. Platt & Co.; office, Eureka; claim, 300 by 1500 feet; located 1877; situated in Eureka gulch, four miles from Eureka; vertical vein, trend northeast and southwest, width, 15 feet, pay vein, 4 feet; average value of ore, 50 ounces silver per ton; development, one drift, 25 feet, in length.

Seven Thirty. Charles Raymond and E. Kelper, proprietors; office, Eureka; claim, 300 by 1500 feet; located 1876; situated on the Animas River, Eureka mining district, two miles from Eureka and ten miles from Silverton; vertical vein, trending east and west, width, 7 feet, pay vein, 18 inches, nature of ore, galena and iron pyrites, assay value, 80 ounces silver per ton; one drift, 45 feet in length.

Seventh Son. Charles H. and Edward W. McIntire, proprietors; office, Ouray; claim, 200 by 1500 feet; located 1874; situated on Mineral Point mountain, half-mile from Mineral City and eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 15 feet, pay vein, 20 inches; nature of ore, galena; assay value, 75 ounces silver per ton; one adit, 20 feet in length.

Shakespeare. Owned by A. O.

Terry, G. W. Cummings and J. W. Tiernan; office, St. Louis, Missouri; claim, 300 by 1500 feet; located 1874; situated on Watson mountain, near town of Eureka, eight miles from Silverton; vertical vein, trending northeast and southwest, width, 10 feet, pay vein, 3 feet; nature of ore, gray copper and sulphurets, average value, 185 ounces silver per ton; one drift, 55 feet in length and 60 feet from surface

Silkstone. George A. Castle, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1876; situated at forks of Cement creek, Animas mining district, eight miles from the town of Silverton; vertical vein, trending north and south, width, 15 feet, pay vein, 30 inches; nature of ore, gray copper and copper pyrites, assay value, 325 to 3,800 ounces silver per ton; one shaft, 20 feet deep; one drift, 15 feet in length.

Silver. Charles H. McIntire, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1874; situated on Mineral Point mountain, one mile from Mineral City and eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 20 feet, pay vein, 4 feet; nature of ore, galena, assay value, 80 ounces silver per ton; two adits, 12 and 30 feet in length, respectively.

Silver Bell. James Reynolds and Joseph Reynolds, proprietors; office, Silverton; claim, 300 by 1500 feet; located 1873; situated in Eureka gulch, Eureka mining district, eleven miles from Silverton; course of vein, north and south, width, 4 feet; nature of ore, gray copper; one drift, 20 feet in length, and 20 feet from surface.

Silver Blossom. J. Larson & Co., proprietors; office, Mineral City; claim, 300 by 1500 feet; located 1877; situated in Poughkeepsie gulch, Uncompahgre mining district, fifteen miles from Silverton; vertical vein, trending northeast and southwest, width, 8 feet, pay vein, 3 feet; nature of ore, gray copper and galena, assay value, 100 ounces silver per ton; one drift, 40 feet in length, and 50 feet from surface.

Silver Coin. Owned by F. Herrod and G. W. Strouse; office, Mineral City; claim, 300 by 1500 feet; located 1876; situated on Abraham mountain, Uncompahgre mining district, twelve miles from Silverton; vertical vein, trending northeast and southwest, width, 6 feet; nature of ore, copper pyrites and antimony, average value, 46 ounces silver per ton; two drifts, 30 and 60 feet from surface, respectively, aggregating 100 feet in length.

Silver Gnome. C. P. Mellor & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1878; situated in Maggie gulch, Eureka mining district, two miles from town of Eureka, and six miles from Silverton; vertical vein, trending east and west, width, 4½ feet, pay vein, 20 inches; nature of ore, gray copper and galena, assay value, 80 ounces silver per ton; one drift, 15 feet in length.

Silver Link. M. W. Dresser & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, three miles from Animas Forks, and eleven miles from Silverton; course of vein, east and west, width, 100 feet, pitch, 30°; nature of ore, gray copper and brittle silver, assay value, 40 to 700 ounces silver per ton; one adit, 20 feet in length and 10 feet from surface.

Silver Plume. John Clark and Charles P. Tallman, proprietors; office, Eureka; claim, 300 by 1500 feet; located 1875; situated on Silver mountain, Eureka mining district, one mile from town of Eureka, and nine miles from Silverton; course of vein, northeast and southwest, width 5 feet, pay vein, 7 inches, pitch, 15°; nature of ore, gray copper, average value, 90 ounces silver per ton; one shaft, 17 feet deep.

Silver Producing Mining Co., incorporated, October 12, 1877; capital stock, $300,000, in 3000 shares, $100 each; office, Silverton, Edmund Higginbotham, prest., Thomas Compau, vice prest. and treas., John G. Heid, sec.; tunnel claim, 1500 by 3000 feet; located 1876; situated on Sultan mountain, Animas mining district, one mile from Silverton; course of tunnel, east and west, length 350 feet.

Silver Queen. Robert Hanson, proprietor; office, Lake City; claim, 300 by 1500 feet; located 1876; situated on Treasure mountain, Eureka mining district, four miles from town of Eureka, and twelve miles from Silverton; course of vein, northeast and southwest, width, 25 feet, pitch, 36°; nature of ore, galena and copper pyrites, assay value, 50 ounces silver per ton; one adit, 16 feet in length, and 16 feet from surface.

Silver Wave. H. Goodict & Bro., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1877; situated in Poughkeepsie gulch, Uncompahgre mining district, twelve miles from Silverton; course of vein, east and west, width, 3 feet, pay vein, 18 inches, pitch, 10°; nature of ore, gray copper, assay value, 30 to 200 ounces silver per ton; one adit, 30 feet in length.

Silver Wing. Frank Herrod, proprietor; office, Mineral City; claim, 300 by 1500 feet; located 1876; situated on Poughkeepsie mountain, Uncom[illegible]gre mining district, twelve miles from Silverton; course of vein, northeast and southwest, width, 3 feet, pay vein, 2 feet, pitch, 30° northeast; nature of ore, galena, assay value, 123 ounces silver per ton; one tunnel, 20 feet in length, intersecting vein at a depth of 20 feet.

Silver Wing Mining and Reduction Co., incorporated December 9, 1876; capital stock, $1,080,000, in 10,800 shares, $100 each; office, Colorado Springs; organized by D. Russ Wood, Joseph S. Reef, Henry McAllister Jr., William B. Sherman, Matt France, William T. Holt, William S. Jackson, Nathan S. Culver and Edward Copley; the property of this company is situated on Jones mountain, two miles from town Eureka and ten miles from Silverton; developed by two tunnels, 150 and 180 feet in length respectively.

Sioux City. Owned by Edward M. Brown, B. Wallon and others, office, Animas Forks; claim, 100 by 1500 feet; located 1876; situated in Burns gulch, Eureka mining district, two miles from town of Eureka and ten miles from Silverton; course of vein, northwest and southeast, width, 6 feet, pay vein, 3 feet, pitch, 20° northwest; nature of ore, galena and brittle silver, average value, 200 ounces silver per ton; two drifts, 12 and 50 feet in length, respectively; yield, $100.

Sioux City and San Juan Mining Co., incorporated April 23, 1877; capital stock, $1,000,000, in 10,000 shares, $1,000 each; offices, Del Norte and Animas Forks, Colorado, and Sioux City, Iowa; trustees; C. P. Heath, J. H. Fessenden, A. Bowman, S. W. Raymond, C. A. Orr, J. W. Stewart, J. V. Mellett, John Cleghorn, Sr., W. R. Bowman, A. E. Wilcox and T. G. Cowgill.

Smuggler. Owned by R. H. Ferguson & Co.; office Eureka; claim, 300 by 1500 feet; located 1876; situated on Tower mountain, near town of Eureka, nine miles from Silverton; course of vein, east and west; width, 12 feet, pay vein, 5 feet, pitch, 45°; nature of ore, gray copper, assay value, 75 ounces silver per ton; one adit, 15 feet in length and 22 feet from surface.

Snow Drift. T. R. Gammon and S. W. Chinn, proprietors; office, Eureka; claim, 300 by 1500 feet; located 1877; situated in Eureka gulch Eureka mining district, four miles from town of Eureka, and eleven miles from Silverton; vertical vein, trending northwest and southeast, width, 8 feet, pay vein, 14 inches; nature of ore, galena and gray copper, assay value, 175 ounces silver per ton; one adit, 20 feet in length.

Snow Flake. Owned by R. V. McKinney & Co., of Eureka; claim, 300 by 1500 feet; located 1876; situated on Niagara mountain, one mile from town of Euka; course of vein, north and south, width, 5 feet, pay vein, 4 feet; assay value of ore, 80 ounces silver per ton; development, one adit 18 feet and one drift, 40 feet in length.

Sonoma. James Raser & Co., proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1874; situated on Hurricane peak, three miles from Animas Forks, and twelve miles from Silverton; course of vein, northeast and southwest, width, 2 feet, pay vein, 16 inches; nature of ore, galena and gray copper, assay value, $200 per ton; one shaft 10 feet deep, one adit 15 feet in length.

Sonora. Thomas Johnson and E. Brace, proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1876; situated on California mountain, Eureka mining district, two miles from town of Animas Forks, and eighteen miles from Silverton; course of vein, east and west, width, 50 feet, pitch, 35°; nature of ore, galena and iron pyrites, assay value, 20 to 80 ounces silver per ton; one adit 40 feet in length.

Spar. Charles Clase, proprietor; office, Eureka; claim, 300 by 1500 feet; located 1878; situated in Maggie gulch, five miles from town of Eureka, and eight miles from Silverton; course of vein, nortwest and southeast, width, 5 feet, pitch, 30°; one adit 10 feet in length, and 12 feet from surface.

Spartico. Antonio Oberto and John M. Stuart, proprietors; office, Silverton; claim, 300 by 1500 feet; located 1878; situated on Oberto mountain, Uncompahgre mining district, twelve miles from Silverton; course of vein, northeast and southwest, width, 200 feet, pay vein, 2 feet; nature of ore, gray copper and galena, assay value, 75 ounces silver per ton; two shafts, 10 and 12 feet in depth respectively.

Staatsburg Mining Co., incorporated August 10, 1878; capital stock, $600,000, in 3,000 shares, of $100 each; office, Silverton; trustees, J. D. Rollins, J. H. Brink, Charles T. Willcutt, Henry Staats, Alonzo A. Fain, and John M. Stuart.

Star Inn. Joseph Beck & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1874; situated on Brown mountain, Eureka mining district, ten miles from Silverton; course of vein, east and west, width, 3 feet, pitch, 20°; nature of ore, galena, assay value, 100 ounces silver per ton; one drift 35 feet in length.

St. Charles. Samuel Ogden, proprietor; office, Animas Forks; claim, 300 by 1500 feet; located 1876; situated on California mountain, Eureka mining district, two miles from town of Animas Forks, and eighteen miles from Silverton; course of vein, northwest and southeast, width, 40 feet, pitch, 20°; nature of ore, gray copper and galena, assay value, 60 ounces silver per ton; one adit, 30 feet in length.

Storm King. Charles Hopkins & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1875; situated on Mineral creek, Animas mining district, eight miles from Silverton; vertical vein, trending north and south, width, 5 feet, pay vein, 30 inches; nature of ore, galena and gray copper, assay value, 150 ounces silver per ton; one shaft, 11 feet deep, one drift, 15 feet in length.

Sultana. Leander F. Hollingsworth & Co., proprietors; office, Silverton; claim, 140 by 1500 feet; located 1877; situated on Sultan mountain, Animas mining district, near limits of Silverton; vertical vein, trending northwest and southeast, width, 6 feet, pay vein, 3 feet; nature of ore, gray copper and galena, assay value, 300 ounces silver per ton; one shaft, 20 feet.

Sultan Tunnel. John Williams, proprietor; office, Silverton; claim, 1500 by 3000 feet; located 1876; situated on Sultan mountain, Animas mining district, one mile from Silverton; length, 500 feet.

Summit. Charles S. Roe & Co., proprietor; office, Silverton, claim, 300 by 1500 feet; located 1876; situated on Ruby creek, Animas mining district, five miles from Silverton; course of vein, north and south, width, 3 feet, pay vein, 30 inches, pitch, 20°; nature of ore, galena and gray copper, assay value, 250 ounces silver per ton; one shaft, 15 feet deep.

Summit. Mark Watson and J. O. Feely, proprietors; office, Eureka; claim, 300 by 1500 feet; located 1877; situated in Burns' gulch, Eureka mining district, three miles from town of Eureka, and eleven miles from Silverton; course of vein, northeast and southwest, width, 8 feet, pay vein, 10 inches, pitch, 30°; nature of ore, gray copper and iron pyrites, assay value, 65 ounces silver per ton; one drift, 18 feet in length.

Sunbeam. James W. Platt and John Spadling, proprietors; office, Eureka; claim, 300 by 1500 feet; located 1874; situated in Eureka gulch, Eureka mining district, nine miles from Silverton; vertical vein, trending north and south, width 10 feet; nature of ore galena; one drift, 28 feet in length, and eighteen feet from surface.

Sunlight. Owned by J. Larson, A. Haddorf and O. Christenson; office, Mineral City; claim, 300 by 1500 feet; located 1875; situated on Lake mountain, near Mineral City, eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 10 feet, pay vein, 4 feet; nature of ore, galena and gray copper, average value, 80 ounces silver per ton; one shaft, 15 feet deep, one drift, 40 feet in length.

Sunnyside. Owned by R. J. McNutt, and M. M. Engleman; office, Eureka; claim, 300 by 1500 feet; located 1873; situated in Eureka gulch, three miles from town of Eureka and nine miles from Silverton; course of vein, north and south, width, 30 feet, pay vein, 14 feet, pitch, 20°; nature of ore, galena and gray copper, average value, 125 ounces silver per ton; one shaft, 10 feet deep, one drift, 30 feet in length and 20 feet from surface; yield, $300.

Sunshine. E. F. Wilkes & Co., proprietors; office, Silverton; claim 300 by 950 feet; located 1876; situated on Pioneer mountain, Animas mining district, seven miles from Silverton; course of vein, northwest and southeast, width, 15 feet, pitch, 30°; nature of ore, galena and carbonate of lead, assay value, 100 ounces silver per ton; one tunnel, 25 feet in length.

Superior. Benjamin R. Eaton, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1876; situated on Galena mountain, Animas mining district, four miles from Silverton; vertical vein, trending northwest and southeast, width, 8 feet, pay vein, 20 inches; nature of ore, gray copper and galena, average value, 140 ounces silver per ton; three adits, aggregating 50 feet in length.

Susquehana. George Ingersoll & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1873; situated on Hazelton mountain, Animas mining district, two miles from Silverton; course of vein, northwest and southeast, width, 3 feet, pay vein, 4 inches, pitch, 45°; nature of ore, gray copper and galena, average value, 375 ounces silver per ton; one shaft, 160 feet deep, one tunnel, 90 feet in length which intersects the vein 160 feet from the surface, one level, 150 feet in length; yield, $30,000.

Swamp Angel. N. Jones and T. S. Raymond, proprietors; office, Eureka; claim, 300 by 1500 feet; located 1877; situated on Cement creek, Eureka mining district, five miles from Silverton; vertical vein, trending northeast and southeast, width, 12 feet, pay vein, 2 feet; nature of ore, galena, assay value, 40 ounces silver per ton; one drift, 15 feet in length.

Tegner. Owned by J. P. Johnson, Carley & Co.; office, Eureka; claim, 300 by 1500 feet; located 1872; situated on Eureka mountain, near town of Eureka, eight miles from Silverton; course of vein, east and west, width, 8 feet, pay vein, 2 feet, pitch, 30°; nature of ore, sulphurets and gray copper, average value, $394 per ton; one adit, 15 feet, one tunnel, 80 feet, and one level, 15 feet in length, the later being 80 feet from surface; yield, $50.

Teller. Owned by Alexander N. Knight, Charles Slocum and Oliver Case; office, Silverton; claim, 300 by 1500 feet; located 1875; situated on Sultan mountain, Animas mining district, near limits of Silverton; course of vein, northwest and southeast, width, 7 feet, pay vein, 18 inches, pitch, 15°; nature of ore, gray copper and galena, assay value, 200 ounces silver per ton; one shaft, 26 feet deep, one tunnel, 50 feet in length.

Teneriffe. S. Richards and F. Kerns, proprietors; office, Lake City; claim, 300 by 1500 feet; located 1876; situated on Seigle mountain, Uncompahgre mining district, two miles from Mineral City, and eighteen miles from Silverton; vertical vein, trending north and south, width, 15 feet, pay vein, 20 inches; nature of ore, galena, average value 40 ounces silver per ton; one drift, 25 feet in length.

Teneriffe. Johnson Burritt, proprietor; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Round mountain, Animas mining district, four miles from Silverton; vertical vein, trending northwest and southeast, width 3 feet, pay vein, 16 inches; nature of ore, galena and chloride, assay value, 125 ounces silver per ton; one adit, 18 feet in length.

Terrible. N. Jones & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1876; situated on Brown mountain, Eureka mining district, ten miles from Silverton; vertical vein, trending northeast and southwest, width, 7 feet, pay vein, 30 inches; nature of ore, galena and gray copper, assay value, 100 ounces silver per ton, one shaft, 24 feet deep.

Three Brothers. Owned by John Stuart, of Silverton; claim, 300 by 1500 feet; located 1877; in Poughkeepsie basin twelve miles from Silverton; course of vein, northwest and southeast, width, 60 feet; nature of ore, gray copper, assay value, 190 ounces silver per ton; development, one adit, 35 feet in length.

Thunderer. C. McCabe & Co., proprietors; office, Eureka; claim, 300 by 1500 feet; located 1876; situated in Eureka gulch, Eureka mining district, four miles fiom town of Eureka and eleven miles from Silverton; course of vein, east and west, width, 5 feet, pitch, 10°; nature of ore, gray copper and galena, assay value, 70 ounces, silver per ton; two shafts, 8 and 10 feet in depth respectively.

Toledo. R. Tilton & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1876, situated on Pioneer mountain, Animas mining district, seven miles from Silverton; course of vein, northwest and southeast, width, 8 feet, pay vein, 10 inches, pitch, 10°; nature of ore, galena and copper pyrites, assay value, 50 ounces silver per ton; one shaft, 16 feet deep.

Tornado, No. 1. Joseph Bock and Samuel Hunt, proprietors; office, Lancaster, Wisconsin; claim, 300 by 1500 feet; located 1877; situated on South Lookout mountain, Animas mining district, eight miles from Silverton; vertical vein, trending east and west, width, 12 feet; nature of ore, carbonate of lead, average value, 200 ounces silver per ton; one shaft, 50 feet deep, one tunnel, 20 feet, and one level, 35 feet in length; yield, $3,200.

Tornado, No. 2. Owned by Alonzo P. Wood and Samuel D. Frazeur; office, Silverton; claim, 300 by 1500 feet; situated on South Lookout mountan, Animas mining district, eight miles from Silverton; course of vein, nearly east and west, width, 5 feet, pay vein, 30 inches; nature of ore, carbonate of lead, average value, 60 ounces silver per ton; one shaft, 50 feet deep.

Torpedo. Owned by Dr. Small and C. Pratt, of Howardsville; claim, 300 by 1500 feet; located 1874; situated on Galena mountain, one mile from Howardsville; course of vein, northwest and southeast, pay vein, 20 inches; nature of ore, galena and iron pyrites, assay value, 100 ounces silver per ton; development, 4 shafts, 10 feet each.

Tower Mountain Mining Co., incorporated June 12, 1877; capital stock, $400,000, in 8,000 shares, $50 each; offices, Howardsville, Colorado, and Titusville, Pennsylvania; trustees, David Cropley, Samuel G. Stevens, J. D. Angier, F. H. Gibbs, E. O. Emerson, William Barnsdall, Jr., Joel N. Angier, Marcus Bronson and F. Merrick.

Treasure. W. P. Hartman & Co., proprietors; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Crown mountain, Eureka mining district, two miles from town of Eureka, and ten miles from Silverton; course of vein, northeast and southwest, width, 15 feet, pay vein, 2 feet; average value of ore, 35 ounces silver per ton; one shaft 15, feet deep.

Treasure Vault. Henry Carley & Co., proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1878; situated on Hourdin mountain, Eureka mining district, two miles from Animas Forks, and seventeen miles from Silverton; course of vein, north and south, width, 3 feet, pay vein, 6 inches; pitch, 10; nature of ore, galena, assay value, 60 ounces silver per ton; one shaft 13 feet deep.

Treasury. J. Lattimore & Co., proprietors; office, Lake City; claim, 300 by 1500 feet; located 1875; situated in Poughkeepsie gulch, Uncompahgre mining district, twelve miles from Silverton; course of vein, northwest and southeast, width, 35 feet, pay vein, 8 feet; nature of ore, galena and gray copper, assay value, 100 ounces silver per ton; one shaft 15 feet deep, one adit 30 feet in length.

Tribune. Owned by the Gladstone Smelting Co., of Gladstone; claim, 300 by 1500 feet; located 1876; situated on Brown mountain, Eureka mining district, six miles from town of Eureka; vertical vein, trending east and west; width, 10 feet; nature of ore, gray copper, value, 150 ounces silver per ton; development, one tunnel, 75 feet in length.

Trinidad. Owned by A. O. Terry, D. M. Edgerton, and F. Johnson; office, St. Louis, Mo.; claim, 300 by 1500 feet; located 1877; situated on Crown mountain, near town of Eureka, nine miles from Silverton; course of vein, northeast and southwest, width, 4 feet, pay vein, 3 feet, pitch, 10°; nature of ore, gray copper and galena, average value, 120 ounces silver per ton; one shaft 25 feet deep, one drift 55 feet in length, and 45 feet from surface.

Twilight. Owned by Robert Hanson and H. Melvin; office, Lake City; claim, 300 by 1350; located 1874; situated at the head of Eureka gulch, five miles from town of Eureka, and thirteen miles from Silverton; course of vein, northeast and southwest, width, 12 feet, pitch, 20°; nature of ore, copper pyrites and galena, assay value, 60 ounces silver and $28 gold per ton; one adit 20 feet in length and 20 feet from surface, one tunnel 25 feet in length.

Uncompahgre Chief. Edward W. McIntire and Charles H. McIntire, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1874; situated on Lake mountain, near mineral City, eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 50 feet, pay vein, 3 feet; nature of ore, galena, assay value, $74 silver ton; one adit 50 feet in length.

Union. B. Mallon, proprietor; office, Animas Forks; claim, 300 by 1500 feet; located 1878; situated in Burns' gulch, Eureka mining district, two miles from town of Eureka and ten miles from Silverton; course of vein, northeast and southwest, width, 5 feet, pay vein, 15 inches, pitch, 20°; nature of ore, gray copper and iron pyrites, assay value, 100 ounces silver per ton; one drift, 20 feet in length.

Uniweep. W. R. Long and N. O. Harker, proprietors; office, Eureka; claim, 300 by 1500 feet; located 1875; situated in Eureka gulch, four miles from town of Eureka; vertical vein, trending north and south, width, 25 feet; nature of ore, galena, gray copper, iron and copper pyrites, assay value, from 60 to 280 ounces silver per ton; two adits, 10 and 15 feet in length, respectively, and one tunnel 20 feet in length.

U. P. John Ryan and Peter Hogan, proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1877; situated on Treasure mountain, Eureka mining district, two miles from Animas Forks and eighteen miles from Silverton; course of vein, north and south, width, 6 feet, pay vein, 30 inches, pitch, 30°; nature of ore, galena and gray copper, assay value, 90 ounces silver per ton; one shaft, 20 feet deep.

Utah. R. P. Buckeye & Co., proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1877; situated on California mountain, two miles from Animas Forks and eighteen miles from Silverton; course of vein, east and west, width, 10 feet, pay vein, 14 inches, pitch, 10°; nature of ore, galena and gray copper; one adit, 10 feet in length and 6 feet from surface.

Vera Cruz. Owned by P. Crout and R. Hanson, of Eureka; claim, 300 by 1500 feet; located 1875; situated on Poughkeepsie mountain, thirteen miles from Silverton; course of vein, east and west, width, 8 feet, pay vein, 2 feet; nature of ore, brittle silver and copper pyrites, value, $1,600 per ton; development, one shaft, 30 feet deep.

Victoria. C. Weightman and L. S. Clive, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Mineral

Point mountain, two miles from Mineral City and eighteen miles from Silverton; vertical vein, trending north and south, width, 25 feet; nature of ore gray copper and galena, assay value, 60 ounces silver per ton; two adits, 15 and 25 feet in length respectively.

Waldron. Charles H. McIntire, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1874; situated on Mineral Point mountain, near Mineral City, eighteen miles from Silverton; vertical vein, trending northeast and southwest, width, 40 feet, pay vein, 3 feet; nature of ore, galena and gray copper, assay value, 80 ounces silver per ton; two drifts, 12 and 20 feet in length respectively.

War Eagle. Owned by Daniel Wyman & Bro.; office, Eureka; claim, 300 by 1500 feet; located 1877; situated on Brown mountain, Eureka mining district, ten miles from Silverton; course of vein, east and west, width, 40 inches, pay vein, 6 inches, pitch, 15°, nature of ore, galena, assay value, 80 ounces silver per ton; one shaft, 24 feet deep.

Washington. Thomas Dunton, proprietor; claim, 300 by 1500 feet; located 1877; situated in Burns gulch, two miles from town of Eureka and eight miles from Silverton; vertical vein, trending north and south, width, 7 feet, pay vein, 30 inches; nature of ore, galena and copper pyrites, assay value, 80 ounces silver per ton; one adit, 30 feet in length and 20 feet from surface.

Waterfall. Owned by J. M. King, E. S. Finch and others; office, Ouray; claim, 300 by 1500 feet, located 1878; situated on Pioneer mountain, Animas mining district, eight miles from Silverton; course of vein, east and west, width, 18 feet, pay vein, 4 feet, pitch 35°; nature of ore, galena and carbonate of lead, average value, 56 ounces silver per ton; one adit, 48 feet in length.

Watson. George N. Propper and P. H. Watson, proprietors; office, Mineral City; claim 300 by 1500 feet; located 1874; situated on Mineral Point mountain, one mile from Mineral City and eighteen miles from Silverton; vertical vein, trending northeast and southwest, width 50 feet; nature of ore, galena and gray copper; value, 400 ounces silver per ton; two adits, 12 and 20 feet in length respectively.

Western Enterprise Gold and Silver Mining Co., incorporated, February, 1879; capital stock, $3,000,000, in 120,000 share, $25 each; offices, Animas Forks, Colorado, and Chicago, Illinos; organized by Francis A. Griswold, Edward S. Hunt, Levi N. Woodbury and others.

Westminster. C. Andrews & Co., proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1877; situated on California mountain, Eureka mining district, two miles from Animas Forks, and eighteen miles from Silverton; vertical vein, trending east and west, width, 5 feet, pay vein, 20 inches; nature of ore, galena and gray copper, assay value, 65 ounces silver per ton; one adit, 18 feet in length.

West Virginia. James J. and Albert Bernard, Daniel J. and James D. McKay, William Forsyth and John M. Ross, proprietors; office, Eureka; claim, 300 by

1500 feet; located 1874; situated on the Animas river, near town of Eureka; course of vein, northeast and southwest, average width, 4 feet, pay vein, 18 inches; nature of ore, bismuth silver, gray copper, iron and copper pyrites; one tunnel, 20 feet in length.

West Virginia. Owned by the West Virginia Gold and Silver Mining Co., organized under the laws of the State of Indiana, in the year 1878; capital stock, $30-000, in 1,000 shares, $30 each; offices, Columbus, Ohio, and Eureka, Colorado; J. H. Wasson, prest., J. F. Miller, vice prest., T. R. Wing., treas., C. H. Cole, sec., E. S. Armstrong, supt.; claim, 300 by 1500 feet; located 1875; situated on Jones mountain, Eureka mining district, near town of Eureka.

White. L. Woodbury & Co., proprietors; office, Animas Forks; claim, 300 by 1500 feet; located 1875; situated on Wood mountain, Eureka mining district, two miles from Animas Forks, and eighteen miles from Silverton; course of vein, northwest and southeast, width, 30 feet, pay vein, 7 feet; nature of ore, gray copper and galena, average value, 54 ounces silver per ton; one drift, 45 feet in length and 20 feet from surface.

White. P. McCay and U. K. White, proprietors; office, Del Norte, claim, 300 by 1500 feet; located 1877; situated on Mineral Point mountain, one mile from Mineral City, and eighteen miles from Silverton; vertical vein, trending northeast and southwest, width; 6 feet; nature of ore, galena, gray copper and tellurium, assay value, 125 ounces silver per ton; one adit, 18 feet in length.

White Water. E. K. Jessup and N. L. Strong, proprietors; office, Mineral City; claim, 300 by 1500 feet; located 1875; situated on Middle creek, Uncompahgre mining district, one mile from Mineral City and nineteen from Silverton; course of vein, northeast and southwest, width 15 feet, pay vein, 18 inches, pitch, 10°; nature of ore, galena, average value, 30 ounces silver per ton; two adits, 10 and 25 feet in length respectively.

Yellow Jacket. Owned by Hann, Cotton and Grant; office, Silverton; claim, 50 by 1500 feet; located 1873; situated on Hazelton mountain, Animas mining district, two and a half miles from Silverton; course of vein, northwest and southeast, width, 4 feet, pay vein, 7 inches; nature of ore, galena and gray copper, average value, 150 ounces silver per ton; one shaft, 15 feet deep; one adit 15 feet in length.

Yellow Jacket. Owned by Frederick Blaisdale and J. W. Neiswanger; office, Eureka; claim, 300 by 1500 feet; located 1874; situated on Eureka mountain, one mile from town of Eureka, and nine miles from Silverton; course of vein, east and west, pitch, 10°; nature of ore, iron pyrites and gray copper, assay value, 45 to 300 ounces silver per ton; one shaft 25 feet deep.

ORE MILLS

AND MILLING CORPORATIONS.

Animas Forks Concentration Works. Located in town of Animas Forks, twelve miles from Silverton.

Cameron Smelting Co., incorporated March 22, 1876; capital stock, $100,000, in 200 shares, $500 each; office, located near the middle branch of the Lake fork of the Gunnison, near the American basin, in Adams mining district; corporators, R. H. Cameron, H. H. Hyatt, Gardner Green, H. P. Carman, and J. M. Fish.

Emma Dean Works. Owned by Winspeare & Co.; situated in town of Eureka, eight miles from Silverton; have a capacity for treating 10 tons of ore daily.

Niegold's Concentration Works. Owned by Niegold Bros.; situated on Cement creek, six miles from Silverton; have a capacity for treating 5 tons of ore daily.

Melville Mining and Reduction Co., incorporated October 9, 1876; capital stock, $150,000, in 15,000 shares, $100 each; organized by William G. Melville, G. W. Glick, E. Summerfield, A. P. Clark, Charles C. Duncan, and August Poehler. The works of this company have a capacity for treating 15 tons of ore in 24 hours, they are run by water power, and situated on Mineral creek, in town of Silverton.

San Juan Reducing Co., incorporated July 5, 1878; capital stock, $50,000, in 500 shares, $100 each; office, at Gladstone, on the forks of Cement creek; trustees, Lorenzo Dow, W. Broderick Cloeti, T. P. Medley, J. H. E. Waters and J. H. Hobgon.

Silverton Smelting Works. George Green & Co., proprietors; John L. Pennington, general manager, Thomas E. Bowman, metallurgist. These works have a capacity for treating 20 tons of ore in 24 hours, they are run by water power, and situated on Cement creek, in town of Silverton.

SUMMIT COUNTY.

The area of this county is 8,289 square miles. It is bounded north by the counties of Routt and Grand, east by Routt, Clear Creek and Park, west by the territory of Utah, and south by Lake and Gunnison. The population is 3,000, and the bullion product for the year 1878, $342,000.

Alexander Placer. Owned by Adin Alexander of Denver. This property is located on the Blue river, six miles from Breckinridge; it is worked by hydraulic pressure and extends along the river for a distance of ten miles.

Argenta. James M. Forshey, proprietor; office, Leadville; claim, 150 by 1500 feet; situated on Fletcher mountain, Consolidated Ten-Mile mining district, twelve miles from Breckinridge; course of vein, north and south, width, 8 feet, pitch, 15° west; nature of ore, galena and copper pyrites, value, 2 ounces gold and 50 ounces silver per ton; two shafts, 15 and 20 feet in depth, respectively.

Argentine Co., incorporated October 27, 1875; capital stock, $500,000, in 500 shares, $100 each; offices, Montezuma, Colorado, and Chicago, Ills; corporators, Chas. Holland, Jeremiah Laming, Henry M. Payne, James G. Diven and Abraham V. Hartwell.

Badger. John W. Jacque, proprietor; office, Leadville; claim, 150 by 1500 feet; situated on Robinson mountain, Ten-Mile mining district, twelve miles from Breckinridge; course of vein, northwest and southeast, width, 4 feet, pitch, 45° southeast; nature of ore, galena and carbonate of lead, value, 200 ounces silver per ton; one shaft, 16 feet deep.

Badger Gold Mining and Fluming Co,, incorporated May 11, 1867; capital stock, $20,000; office, Denver; corporators, M. L. Rood, W. C. Rippey, Robert S. Wilson and Henry C. Clark.

Ballou Placer. Ballou & Pollock, proprietors; office, Breckinridge; claim comprises 800 by 10,000 feet of placer ground, situated in French gulch, McKay mining district, half mile from Breckenridge.

Bartlett Mountain Mining Co., of Colorado; incorporated 1876; capital stock, $44,000, in 440 shares, $100 each; John Potter, prest., Henry McAllister, Jr., sec. and treas.; claim, 2100 by 10,500 feet; situated on Bartlett mountain, Ten-Mile mining district, 12 miles from Breckinridge.

Belle East. Edward C. and

Frederick A. Guibow, proprietors; office, Empire; claim, 150 by 1500 feet; located 1875; situated on Glacier mountain, Snake River mining district, one mile from Montezuma, and twenty-one miles from Breckinridge; course of vein, northeast and southwest, width, 6 feet, pay vein, 16 inches, pitch, 20°; nature of ore, galena and gray copper, average value, 100 ounces silver per ton; three shafts aggregating 65 feet in depth, two drifts, aggregating 206 feet in length; yield, $2,000.

Bell West. Edward C. Guibor, proprietor; office, Empire; claim, 150 by 1500 feet; located 1875; situated on Glacier mountain, Snake River mining district, one mile from Montezuma, and twenty-one miles from Breckinridge; course of vein, northeast and southwest, width, 6 feet, pay vein, 14 inches, pitch, 30°; nature of ore, gray copper and galena, assay value, 300 ounces silver per ton; one drift, 25 feet in length.

Bilk. Owned by James M. Forshey, Frank and Perry Brandon; office, Leadville; claim, 150 by 1500 feet; situated on Champion mountain, Ten Mile mining district, twelve miles from Breckinridge; vertical vein, trending east and west, width, 3 feet; nature of ore, free gold, value, $140 gold per cord; one shaft, 16 feet deep.

Black Warrior. E. Lowe & Co., proprietors; office, Breckenridge; claim, 150 by 1500 feet; situated on Bartlett mountain, Ten Mile mining district, twelve miles from Breckinridge; vertical vein, trending northeast and southwest, width 12 feet; nature of ore, galena and copper pyrites, value, 90 ounces silver per ton; one shaft, 25 feet deep.

Blue River Mining Co., organized under the laws of the State of Missouri, George D. Hall, prest., John C. Orrick, sec., John A. Willoughby, of Breckenridge, Colorado, agent.

Boston Mining Co., incorporated July 27, 1877; capital stock, $500,000, in 50,000 shares, $10 each; offices, Sts. John, Colorado, and Boston, Mass.; organized by John R. Brewer, T. H. Perkins, Francis Bartlett, Henry L. Hallett, William L. Candler and others; John R. Brewer, prest., William L. Candler, sec. and treas. The property of this company is situated on Glacier mountain, and in the town of Saints John, one mile from Montezuma, and twenty miles from Breckinridge.

Boston and Colorado Gold Placer Mining Co., organized under the laws of the State of Connecticut; capital stock, $50,000; office, Breckinridge, J. A. Willoughby, agent, James B. Potter, prest., Levi Nowcomb, sec.

Carbonate Mining Co., incorporated November 27, 1878; capital stock, $250,000, in 25,000 shares, $10 each; offices, Denver and Carbonateville, Colorado; organized by Newton B. Lord, Leonard S. Ballou, John M. Thorn, David A. Gage, Samuel H. Herrick, Alexander M. Lay and Edward Schenck.

Cashier. D. L. Southworth & Co., proprietors; office, Montezuma; claim, 150 by 1500 feet, patented; located 1867; situated on Teller mountain, Snake River mining district, four miles from Montezuma, and twenty-four miles from Breckinridge; course of vein, northeast and southwest, width 65 feet, pay vein, 20 inches, pitch, 40°; nature of ore, gray copper, average value, 200 ounces silver per ton; one shaft, 100 feet deep; one tunnel, 450 feet in length, which intersects the vein 200 feet from the surface; one level, 40 feet in length; yield, $25,000.

Centennial. Owned by I. W. and F. M. Hibbard; office, Alma; claim, 150 by 1500 feet; situated on North Star mountain, Silver Lake mining district, eight miles from Alma; course of vein, northeast and southwest, width 4 feet, pitch, 10° southeast; nature of ore, oxide of iron, average value $50 per ton; developed by two tunnels, 50 and 150 feet from surface respectively, aggregating 250 feet, and one drift, 40 feet in length; cabin 14 by 16 feet; yield, $20,000.

Centennial. William L. and Clarence G. Sampson, proprietors; office, Montezuma; claim, 150 by 1500 feet, patented; located 1876; situated on Glacier mountain, Snake River mining district, two miles from Montezuma and twenty-two miles from Breckinridge; course of vein, northeast and southwest, width, 40 feet, pay vein, 3 feet, pitch, 20°; nature of ore, galena and gray copper, average value, 150 ounces silver per ton; main shaft 35 feet deep, and two other shafts 10 feet each; yield, $500.

Champion. Owned by Edwin S. Platt, John M. Dumont & Co.; office, Denver; claim, 300 by 1500 feet, patented; located 1873; situated on Teller mountain, Snake River mining district, five miles from Montezuma, and twenty-five miles from Breckinridge; course of vein, northeast and southwest, width, 20 feet, pitch, 45° west; nature of ore, gray copper and galena; developed by nine shafts, ranging in depth from 110 to 300 feet, and three levels, 710, 750 and 1050 feet in length respectively; on the surface are three ore houses, 40 by 70 feet each, three blacksmith shops, assay and business offices, saw mill, &c.; yield to date $27,000.

Champion. Owned by James M. Forshey, Horace and Albert McNeil, office, Leadville; claim, 150 by 1500 feet; situated on Champion mountain, Consolidated Ten mile mining district, twelve miles from Breckinridge; vertical vein, trending northwest and southeast, width, 40 feet; nature of ore, antimonial silver, iron pyrites and sulphurets, assay value, 134 ounces silver per ton; development, one shaft 20 feet deep, one adit 40 feet, an open cut 15 feet, and a tunnel 10 feet in length.

Chautauqua. Montezuma Silver Mining Co. proprietors; offices, Montezuma, Colorado, and New York City; claim, 150 by 4500 feet, patented; situated on Glacier mountain, Snake River mining district, one mile from Montezuma, and twenty-one miles from Breckinridge; course of vein, northeast and southwest, width, 6 feet, pay vein, 4 feet, pitch, 45°; nature of ore, galena and gray copper, assay value, 100 to 800 ounces silver per ton; one shaft 140 feet deep, two tunnels 150 and 160 feet in length respectively.

Chenango Tunnel. Owned by the Silver Gate Mining Co., of Cincinnati, Ohio; claim, 1500 by

3000 feet; situated on Glacier mountain, Snake River mining district, one mile from Montezuma, and twenty miles from Breckinridge; length, 561 feet.

Clark Placer. C. P. Clark, proprietor; office, Lincoln City; claim comprises 2000 by 10,000 feet of placer ground, situated in French gulch, Bevan mining district, half mile from Breckinridge.

Clark and Cobb Placer. C. P. Clark and J. J. Cobb, proprietors; office, Breckinridge; claim comprises 700 by 11,000 feet of ground, situated on the Blue river, one mile from Breckinridge.

Clinton and Ten Mile Placer. Owned by D. R. Emmett and Edward Lowe. This property is composed of river beds, bank and bar claims, and comprises 200 acres of ground. It is situated at the mouth of Clinton and Ten Mile gulches, Consolidated Ten Mile mining district, twelve miles from Breckinridge, and fourteen miles from Leadville.

Coaley Extension. Edward C. Guibor & Co., proprietors; office, Empire; claim, 50 by 350 feet, located 1865; situated on Glacier mountain, one mile from Montezuma, and twenty-one miles from Breckinridge; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, one foot; nature of ore, galena and gray copper, average value, 250 ounces silver per ton; one shaft 65 feet deep; yield, $6,500.

Colorado Springs Prospecting and Mining Co., incorporated July 24, 1875; capital stock, $25,000; office, Colorado Springs; organized by John G. Wilson, Edward Hunt, A. C. Knox, F. P. Lombard, J. M. Stanley, John Z. Potter; R. C. Lyon, prest.; O. C. Knox, vice prest., E. J. Eaton, sec., L. S. Humiston, supt. The property of this company is situated on the northeastern slope of Bartlett mountain, Consolidated Ten Mile mining district.

Comstock, C. G. William L., and Clarence G. Sampson, proprietors; office, Montezuma; claim, 150 by 1500 feet; located 1876; situated on Glacier mountain, Snake River mining district, two miles from Montezuma, and twenty-two miles from Breckinridge; course of vein, northeast and southwest, width, 14 feet, pay vein, 8 inches, pitch, 35°; nature of ore, gray copper and galena, average value, 220 ounces silver per ton; three drifts, 16, 20 and 50 feet in length respectively; yield, $500.

Comstock. Owned by the Boston Mining Co.; claim, 75 by 1500 feet, patented; located, 1875; situated on Glacier mountain, near town of Saints John, one mile from Montezuma and twenty miles from Breckinridge, vertical vein, trending northeast and southwest, width, 4 feet, pay vein, one foot; nature of ore, galena and zincblende, average value, 50 ounces silver per ton; main shaft 250 feet deep, two tunnels, 50 and 125 feet from surface, respectively, aggregating 1300 feet.

Comstock Tunnel. Owned by the Boston Mining Co.; claim, 1500 by 3000 feet, situated on Glacier mountain, Snake River mining district, near town of Saints John, one mile from Montezuma, and twenty miles from Breckinridge. The course is northwest and southeast, it was commenced in 1872, and has cut nine lodes. It is now 1500 feet in length, and has gained a depth of 850 feet.

Cooper and Yengling Placer. Cooper and Yengling, proprietors; office, Breckinridge; claim, comprises 40 acres of placer ground, situated on the south side of Negro hill, Upper Blue mining district, half mile from Breckinridge; worked by hydraulic pressure.

Couara Silver Mining Co., incorporated March 24, 1874; capital stock, $200,000, in 2,000 shares, $100 each; offices, Peru and Denver, Colorado; A. B. Robbins, prest., H. A. Bagley, sec., H. J. Bagley, treas. The property of this company is situated on Ruby and Cooper mountains, Peru mining district, five miles from Montezuma, and twenty-two miles from Breckinridge. It comprises thirty lodes, or mineral veins, 150 by 1500 feet each, a tunnel claim, 1500 by 3000 feet; a blacksmith and dwelling house.

Crœsus Gold and Silver Mining Co., incorporated Sept. 10, 1877; capital stock, $500,000, in 20,000 shares, $25 each; office, Denver, John Dixon, prest., Calvin P. Clark, vice prest., William F. Callaway, sec., Calvin P. Clark, supt. The property of this company is situated on Australia gulch, Bevan mining district, one mile from Lincoln City, and three miles from Breckinridge. It comprises two gold lodes, 300 by 1500 feet each, eight silver lodes 300 by 3000 feet, and a mill site containing ten acres of ground.

Dexter. F. E. Webster, proprietor; office, Montezuma; claim, 75 by 1500; feet located 1869; situated on Ruby mountain, Peru mining district, four miles from Montezuma, and twenty-two miles from Breckinridge; course of vein, northeast and southwest, width, 2 feet, pay vein, 6 inches, pitch, 20°; nature of ore, galena, average value, 240 ounces silver per ton; one shaft, 40 feet deep; yield, $250.

Dora. Owned by Thomas B. Corbett and William F. Kendrick, offices, Denver and Alma, Colorado; claim, 300 by 1500 feet, located 1878, situated on North Star mountain, Silver Lake mining district, eight miles from Alma, and fourteen miles from Fairplay.

Dublin No. 2.* Owned by Albert R. Doyle; office, Empire; claim, 150 by 1500 feet; located 1870; situated on Collier mountain, Snake River mining district, four miles from Montezuma; vertical vein, trending north and south, width, 7 feet, pay vein, 3 feet; nature of ore, iron pyrites and galena, average value, 60 ounces silver per ton; one drift, 100 feet in length, and 80 feet from surface.

Eclipse. Willard Teller, proprietor; office, Denver; claim, 50 by 1600 feet, patented; situated on Glacier mountain, near town of Montezuma; course of vein, northeast and southwest, width, 1 foot; nature of ore, galena and gray copper, average value, $200 per ton; main shaft, 50 feet, and one other shaft, 40 feet deep, one level, 60 feet in length, yield $2,000.

El Paso Mining Co., of Colorado, incorporated May 24, 1877; capital stock, $10,000, in 500 shares, $20 each; J. H. Kerr, prest., W. S. Weed, vice-prest. and treas., Charles Ayers, sec.; claim comprises 27,000 linear feet of ground, situated in Clinton gulch, Ten Mile mining district, twelve miles from town of Breckinridge.

Erie, east and west. Montezuma Silver Mining Co., proprietors; office, Montezuma; claim, 150 by 1500 feet, patented; situated on Glacier mountain, Snake River mining district, three miles from Montezuma, and twenty-three miles from Breckinridge; course of vein, northeast and southwest, width, 6 feet, pay vein, one foot, pitch, 20°; nature of ore, galena and gray copper; one shaft, 18 feet deep, one drift, 35 feet in length.

Excelsior. James M. Forshey, proprietor; office, Leadville; claim, 150 by 1500 feet; situated on Fletcher mountain, Consolidated Ten Mile mining district, twelve miles from Breckinridge; course of vein, north and south, width, 2 feet, pitch, 15° west; nature of ore, galena and copper pyrites, value, 1¼ ounces gold and 40 ounces silver per ton; one shaft, 25 feet deep.

Fletcher, extension of the Mountain Stake. Owned by James M. Forshey and Albert McNeil; office, Leadville; claim, 150 by 1500 feet; situated on the west slope of Fletcher mountain, Consolidated Ten Mile mining district, fifteen miles from Breckinridge; course of vein, 15° west of south, width, 4 feet; nature of ore, galena and copper pyrites, average value, $125 per ton; development, one surface opening, 12 feet in length.

Fletcher Mountain Tunnel. Jas. M. Forshey, proprietor; office, Leadville; claim, 1500 by 3000 feet; situated at the base of Fletcher mountain, Consolidated Ten Mile mining district, fifteen miles from Breckinridge. This tunnel is now 600 feet in length and 1,800 feet from the top of Fletcher mountain.

Flushing Mining Co.'s Placer. Owned by George M. Clark; office, Lincoln City; claim comprises 1200 square feet of ground, situated in French gulch, Bevan mining district, half mile from Breckinridge.

Fredonia. J. L. Fuller and F. Cromes, proprietors; office, Breckinridge; claim, 150 by 1500 feet; located 1873; situated on Argentine mountain, Argentine mining district, five miles from Breckinridge; course of vein, north and south, width, 10 feet, pay vein, 3 feet; nature of ore, sulphurets and carbonates of lead, average value, 75 ounces silver per ton; one tunnel, 60 feet in length, intersecting vein, 30 feet from surface.

Fuller and Greenleaf Mining and Ditch Co., incorporated June 16, 1871; capital stock, $30,000, in 60 shares, $500 each; offices, Breckinridge, Colorado, Boston, and Springfield, Mass.; corporators, T. H. Fuller, A. M. Greenleaf and J. A. Willoughby.

Fuller and Crome Placer Claim. J. L. Fuller and F. Crome, proprietors; office, Breckinridge; claim comprises 27,000 square feet of ground; situated on Blue river, Upper Blue mining district, near Breckinridge; it is provided with a flume 400 feet in length, and is worked by ground sluicing.

Fuller Placer Mining Co., incorporated October 3, 1876; capital stock, $500,000, in 5,000 shares, $100 each; offices, Denver, Colorado, and Boston, Massachusetts; organized by Thomas H. Fuller, Mason B. Carpenter, and Gilbert L. Havens. Thomas H. Fuller, prest., M. B. Carpenter, sec. and attorney, M. J. Cole, supt. The property of this company is located in the valleys of the Swan river, and on the tributaries of the Blue, six miles from Breckinridge, the county seat, and one hundred miles from Denver. It comprises 3,100 acres of placer ground, over twenty-one miles of wooden flumes, twenty-five miles of ditches, two miles of sluicing, 9,000 feet of iron piping, seven little giants, six pressure boxes, saw mill, four boarding houses, twenty cabins, mining tools, &c. The product of the mines of this company for the year 1876 was $25,000, $35,000 in 1877, and $40,000 in 1878.

G. B. R. Robinson & Co., proprietors; office, Leadville; claim, 150 by 1500 feet; situated on Sheep mountain, Ten Mile mining district, twelve miles from Breckinridge; course of vein, north and south, width, 33 inches, pitch, 60°; nature of ore, carbonate of lead, value, 40 ounces silver per ton; two shafts 15 feet each.

Gilpin. Owned by James McNassar and John Moon; office, Leadville; claim, 150 by 1500 feet; situated on the south side of the divide between Clinton and Mayflower gulches, fifteen miles from Breckinridge; course of vein, 15° east of south, width, 4 feet, pitch, 15° south; nature of ore, galena and carbonate of lead, average value, $40 per ton; one shaft 20 feet deep, surface opening 30 feet in length.

Glacier Mountain Silver Mining Co., Summit county, Colorado; organized under the laws of the State of New York, July 10, 1877; offices, Montezuma, Colorado, and New York City; capital stock, $5,000,000, in 50,000 shares, $100 each; trustees, James B. Craig, John O. Bradford, Edward T. Bradford, Hugh J. Begley, George K. Clark, William H. Rand, and Robert L. Martin.

Gold Run Gold Washing Co., incorporated April 16, 1878; capital stock, $500,000, in 50,000 shares, $10 each; office, Denver; trustees, Lelon Peabody, Henry D. Steele, Oliver A. Whittemore, D. G. Blass and N. W. Riker.

Gold Run Gravel Washing Co., incorporated February 11, 1878; capital stock, $500,000, in 50,000 shares, $10 each; office, Denver; trustees, Benjamin G. Blass, Nathan W. Riker and Edward E. Hartwell.

Golden Eagle. John W. Jacque & Co., proprietors; office, Leadville; claim, 150 by 1500 feet; situated at head of Mayflower gulch, Ten Mile mining district, twelve miles from Breckinridge; vertical vein, trending northeast and southwest, width, 4 feet; nature of ore, free gold and iron pyrites, value, $100 gold per ton; one shaft, 15 feet deep.

Golden Bill. John W. Jacque, proprietor; office, Leadville; claim, 150 feet by 1500 feet; situated on Fletcher mountain, Ten Mile mining district, twelve miles from Breckinridge; vertical vein, trending northeast and southwest, width, 8 feet, pay vein, four feet; nature of ore, free gold and iron pyrites, value, $100 gold per ton; two shafts, 10 and 15 feet in depth respectively.

Golden Cord. Frank Probasco, proprietor; office, Leadville; claim, 150 by 1500 feet; situated on Fletcher mountain, Ten Mile mining district, twelve miles from Breckinridge; course of vein, north and south, width, 5 feet, pitch, 15° west; nature of ore, galena and copper pyrites, value, $100 silver per ton; two adits, 15 and twenty feet in length respectively.

Golden Gate. John Fitzgerald, proprietor; office, Leadville; claim, 150 by 1500 feet; situated on Fletcher mountain, Ten Mile mining district, twelve miles from Breckinridge; course of vein, north and south, width, 4 feet, pitch, 15° west; nature of ore, galena and copper pyrites, value, $100 silver per ton; one adit, 20 feet in length.

Great Republic. Owned by F. E. Webster, J. A. Conwell and J. J. McKinnney; office, Montezuma; located 1877; situated on Bear mountain, Snake River mining district, three miles from Montezuma and twenty-three miles from Breckinridge; course of vein, north and south, width, 3 feet, pay vein, seven inches, pitch, 45°; nature of ore, galena and copper pyrites, value, 92 ounces silver per ton; two tunnels, 70 and 115 feet in length, respectively, one level, 65 feet in length; shaft house, 25 by 25 feet.

Gray's Peak Mining and Milling Co., incorporated November 6, 1878; capital stock, $1,000,000, in 10,000 shares, $100 each; office, Montezuma; organized by Harvy Quicksell, Marcus A. Root, T. Norval Jeffries and E. J. Mathews.

Griffin Gold and Silver Mining Co., incorporated November 10, 1869; capital stock, $1,000,000, in 10,000 shares, $10 each; office, Shawhunville; trustees, Adam L. and John Shock and Ziba Surles.

Herman. Edward C. Guibor and Herman Silver, proprietors; office, Empire; claim, 150 by 1500 feet; located 1875; situated on Glacier mountain, Snake River mining district, one mile from Montezuma, and twenty-one miles from Breckinridge; course of vein, northeast and southwest, width, 5 feet, pay vein, 18 inches, pitch, 30°; nature of ore, gray copper, average value, 160 ounces silver per ton; one shaft 46 feet deep, one level 87 feet in length; shaft house 18 by 42 feet; yield, $2,000.

Hoosier. John W. Jacque, proprietor; office, Leadville; claim, 150 by 1500 feet; situated on Robinson mountain, Consolidated Ten Mile mining district, twelve miles from Breckinridge; course of vein, northwest and southeast, width, 4 feet, pitch, 45° southwest; nature of ore, galena and carbonate of lead, value, 200 ounces silver per ton; one snaft 15 feet deep.

Hoosier Gulch Placer. Owned by Henry M. Bostwick and William Bemrose; claim comprises 240 acres of placer ground; situated in Hoosier gulch, ten miles from Breckinridge. It is worked by Hydraulic pressure, and has a flume 1,000 feet in length; yield to date, $25,000.

Humbug Gulch Placer. Henry Schuster and Henry Stahl, proprietors; office, Lincoln City; claim comprises 700 by 800 feet of ground; situated near Georgia gulch, Georgia mining district, six miles from Breckinridge.

Ingleside. Colorado Springs Prospecting and Mining Co. proprietors; office, Colorado Springs; claim, 150 by 1800 feet; located 1875; situated on Bartlett mountain, Ten Mile mining district, twelve miles from Breckinridge; vertical vein, trending north and south, width, 6 feet, pay vein, 4 feet; nature of ore, galena and copper pyrites, value, 105 ounces silver per ton; one drift 120 feet in length.

Ingleside Mining Property. Owned by the Colorado Springs Prospecting and Mining Co.; office, Colorado Springs; claim comprises 11 lodes; 150 by 1500 feet each; situated on the northeastern slope of Bartlett mountain, Consolidated Ten Mile mining district, fifteen miles from Breckinridge.

Invincible Mining Co.'s Placer. Joseph P. Stell, T. P. Goodman and William S. Cooper; office, Breckinridge; claim comprises 30,600 square feet of placer ground, relocated 1878; situated in French gulch, Blue river mining district, one mile from Breckinridge, it is worked by hydraulic pressure, has 500 inches of water, and is furnished with a flume 500 feet in length.

Justice. John W. Jacque, proprietor; office, Leadville; claim, 150 by 1500 feet; situated on Robinson mountain, Ten Mile mining district, twelve miles from Breckinridge, course of vein, northwest and southeast, width, 4 feet, pitch, 45° southeast; nature of ore, galena and carbonate of lead, value 200 ounces silver per ton; one shaft, 11 feet deep.

La Plata. O. C. Knox, proprietor; office, Colorado Springs; claim, 150 by 1500 feet; situated on Bartlett mountain, Ten Mile mining district, twelve miles from Breckinridge; vertical vein, trending north and south, width, 4 feet, pay vein, 3 feet; nature of ore, galena and copper pyrites; one adit 15 feet in length.

Legal Tender. Colorado Springs Prospecting and Mining Co., proprietors; office, Colorado Springs; claim, 150 by 1500 feet; situated on Fletcher mountain, Ten Mile mining district, twelve miles from Breckinridge; course of vein, north and south, width, 5 feet, pay vein, 3 feet, pitch, 10° west; nature of ore, galena; one shaft, 15 feet deep, one tunnel 35 feet in length.

Little Annie. Griffith G. Jones, proprietor; office, Montezuma; claim, 150 by 1500 feet, situated on Glacier mountain, near Montezuma, twenty miles from Breckinridge; course of vein, east and west, width, 2 feet, pitch, 20°; nature of ore, galena, average value, 50 ounces silver per ton; one tunnel 40 feet in length, intersecting vein, 30 feet from surface, one level 208 feet in length.

Little Frank. John W. Jacque, proprietor; office, Leadville; claim, 150 by 1500 feet; situated on Robinson mountain, Ten Mile mining district, twelve miles from Breckinridge; course of vein, northwest and southeast, width, 4 feet, pitch, 45° southeast; nature of ore, galena and carbonate of lead, value 200 ounces silver per ton; one shaft, 15 feet deep.

Little Giant. Robinson & Co., proprietors; office, Leadville; claim, 150 by 1500 feet; situated on Robinson mountain, Ten-Mile mining district, twelve miles from

Breckinridge; course of vein, north and south, width, 15 feet, pay vein, 20 inches, pitch, 45°; nature of ore, carbonate of lead, value, 110 ounces silver per ton; two shafts, 15 feet each.

Louise. Joseph B. Steel & Co., proprietors; office, Breckinridge; claim, 150 by 1500 feet; located 1878; situated on Gold Run, Gold Run mining district, two miles from Breckinridge; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, 8 inches; nature of ore, galena, assay value, 30 ounces silver per ton; one shaft, 15 feet deep.

Lucky. Owned by E. Lowe & Co.; office, Breckinridge; claim, 150 by 1500 feet; situated on Bartlett mountain, Ten Mile mining district, sixteen miles from Breckinridge; vertical vein, trending northeast and southwest, width, 3 feet, pay vein, 8 inches; nature of ore, galena, average value, $50 per ton; one adit, 20 feet in length, with 15-foot face.

Malabar. Located 1866; situated on Ruby Mountain, Peru mining district, twenty-five miles from Breckinridge; course of vein, northeast and southwest, width, 10 feet, pay vein, 6 feet, pitch, 20°; nature of ore, galena, average value, 60 ounces silver per ton; aggregate length of drifts, 100 feet.

Manitou. Colorado Springs Prospecting and Mining Co., proprietors; office, Colorado Springs; claim, 150 by 1500 feet; situated on Bartlett mountain, Ten Mile mining district, twelve miles from Breckinridge; vertical vein, trending north and south; nature of ore, galena and carbonate of lead; three adits, 20 feet each.

Marxon. William L. and Clarence G. Sampson, proprietors, office, Montezuma; claim, 150 by 1500 feet; located 1876; situated on Glacier mountain, Snake River mining district, two miles from Montezuma and twenty-two miles from Breckinridge; course of vein, northeast and southwest, width, 40 feet, pay vein, 3 feet, pitch, 20°; nature of ore, gray copper and galena, assay value, 60 to 800 ounces silver per ton; twe shafts, 10 and 25 feet in depth, respectively.

May Bell. Owned by Frank and Perry Brandon; office, Leadville; claim, 150 by 1500 feet; situated on the west slope of Fletcher mountain, Ten-Mile mining district, fourteen miles from Leadville, and sixteen miles from Breckinridge; course of vein, northwest and southeast, width, 4 feet, pitch, 10° west; nature of ore, galena and iron pyrites, average value, 40 ounces silver per ton; one shaft, 15 feet deep, surface opening, 15 feet in length.

McNulty Gulch Placer. Owned by James McNassar, Frank and Perry Brandon; situated on Ten Mile creek, Consolidated Ten Mile mining district, fifteen miles from Breckinridge, comprises sixty acres of placer ground; worked by hydraulic pressure.

Metal Milling and Mining Co., incorporated June 3, 1878; capital stock, $100,000, in 10,000 shares, $10 each; offices, Montezuma, Colorado, and New York city; trustees, John A. Leslie, Edgar Harriott, Robert L. Martin, Ebenezer Rich, and N. H. Davis.

Minnie. Samuel F. Cary, proprietor; office, Breckinridge; claim, 150 by 1500 feet; located

1877; situated on Mineral hill, Lincoln City mining district, three miles from Breckinridge; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, 8 inches; nature of ore, galena, assay value 90 ounces silver per ton; two shafts, 20 and 40 feet in depth respectively.

Modoc. Bressler & Co., proprietors; office, Montezuma; claim, 150 by 1500 feet; located 1869; situated on Collier mountain, two miles from Montezuma, and twenty-two miles from Breckinridge; course of vein, northeast and southwest, width, one foot; nature of ore, galena and bismuth silver, average value, 500 ounces silver per ton; one shaft, 60 feet deep, one tunnel, 100 feet in length; shaft house 14 by 16 feet.

Monte Rosa Mining Co., incorporated January 27, 1876; capital stock, $10,000, in 1000 share, $10 each; office, Colorado Springs; corporators, W. H. Slack, J. H. Mathers, R. C. Bristol, H. E. Freeman, George L. King, J. D. Crane, J. W. Leighton and D. L. Welch.

Montezuma Mining and Smelting Co., incorporated April 10, 1875; capital stock, $50,000, in 500 shares, $100 each; office, Montezuma; corporators George L. and J. D. Scott and William Andrews.

Montezuma Silver Mining Co., Colorado, organized under the laws of the State of New York, November 9, 1877; capital stock, $5,000,000, in 50,000 shares, $100 each; offices, Montezuma, Colorado, and New York City; James B. Craig, prest., J. O. Bradford, treas., Edwin T. Bradford, sec., Hugh J. Begly, J. H. McChesney, Edwin S. Fowler and Robert L. Martin, trustees, Ebenezer Rich, agent.

Mount Ruby Tunnel. Owned by the Couara Mining Co.; office, Denver; claim, 1500 by 3000 feet; situated on Ruby mountain, Peru mining district, five miles from Montezuma, and twenty-three miles from Breckinridge. This tunnel will intersect 20 lodes; it was commenced in 1876, and is now 250 feet in length.

Mount Ruby Tunnel Co., incorporated May 5, 1877; capital stock, $1,000,000, in 100,000 spares, $10 each; office, Denver; trustees, A. B. Robbins, Avery Gallup, Samuel Watson, Henry A. Bagley, B. R. Ragland and Herman J. Bagley. The property of this company is situated on Mount Ruby, Peru mining district, five miles from Montezuma, and twenty-two miles from Breckinridge. The tunnel has cut two lodes, is now 250 feet in length, and has for its object the intersection of all lodes running at right angles.

Mountain Pride. F. E. Webster, proprietor; office, Montezuma; claim, 75 by 1500 feet; located 1869; situated on Ruby mountain, Peru mining district, four miles from Montezuma and twenty-two miles from Breckinridge; course of vein, north and south, width, 4 feet, pay vein, eight inches; nature of ore, galena, average value, 60 ounces silver per ton; one shaft, 15 feet deep.

Mountain Stake. James M. Forshey, proprietor; office, Leadville; claim, 150 by 1500 feet; situated on Fletcher mountain, Ten Mile mining district, twelve miles from Breckinridge; course of vein, north and south, width 4 feet, pitch, 75° west; nature of ore, carbonate of lead, value 2 ounces gold and 100 ounces silver per ton; one shaft, 25 feet deep, one adit, 15 feet in length.

Napoleon. St. Lawrence Silver Mining Co., proprietors; office, Canton, New York; claim, 50 by 1500 feet; located 1867; situated on Glacier mountain; near Montezuma, twenty miles from Breckinridge; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, one foot; nature of ore, galena and zinc blende, average value, 150 ounces silver per ton; one drift, 350 feet in length and 150 feet from surface; yield, $1,500.

National Treasury. Located 1865; situated in Snake river gulch, Peru mining district, twenty-five miles from Breckinridge; course of vein, northeast and southwest, width, 5 feet, pay vein, 6 inches, pitch 20°; nature of ore, galena, average value, 175 ounces silver per ton; one shaft, 80 feet deep.

No. 1. Owned by the Couara Silver Mining Co.; offices, Peru and Denver, Colorado; claim, 150 by 1500 feet; located 1875; situated on the southwestern slope of Ruby mountain, Peru mining district, seven miles from Montezuma and twenty-three miles from Breckinridge; course of vein, northeast and southwest, width, 5 feet, pay vein, 3 inches, pitch, 45° northwest; nature of ore, galena and sulphurets, average value, 480 ounces silver per ton; one surface opening, 20 feet in length.

No. 2. Owned by the Couara Silver Mining Co.; claim, 150 by 1500 feet, located 1875; situated on Ruby mountain, Peru mining district, seven miles from Montezuma and twenty-three miles from Breckinridge; course of vein, northeast and southwest, width, 12 feet, pay vein, 6 inches, pitch, 35° northwest; nature of ore, galena and zinc blende, assay value, 155 ounces silver per ton; one drift, 12 feet in length, reached by the Mount Ruby tunnel, at a distance of 170 feet from the mouth, and intersected at a depth of 90 feet.

No. 4. Silver Gate Mining Co., proprietors; office, Cincinnati, Ohio; claim, 150 by 1500 feet; situated on Glacier mountain, one mile from Montezuma, and twenty-one miles from Breckinridge; vertical vein, trending north and south, width, 7 feet, pay vein, 3 feet; nature of ore, zinc-blende and galena, assay value, 86 ounces silver per ton; intersected by the Chenango Tunnel, 200 feet from the surface, one level 60 feet in length.

No. 5. Owned by the Boston Mining Co.; claim, 150 by 1500 feet, patented; located 1875; situated on Glacier mountain, near town of Saints John, one mile mile from Montezuma, and twenty miles from Breckinridge; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, one foot; nature of ore, galena and zinc-blende; intersected by the Comstock Tunnel, at a depth of 650 feet, drifts, aggregating 2100 feet in length.

No. 5. Silver Gate Mining Co. proprietors; office, Cincinnati, Ohio; claim, 150 by 1500 feet; situated on Glacier mountain, one mile from Montezuma, and twenty-one miles from Breckinridge; vertical vein, trending north and south, width, 2 feet, pay vein, 7 inches; nature of ore, galena, average value, 42 ounces silver per ton; intersected by Chenango Tunnel, 225 feet from surface.

No. 7. Owned by the Boston Mining Co.; offices, Sts. John, Colorado, and Boston, Mass.; claim, 150 by 1500 feet, patented; located 1875; situated on Glacier mountain, one mile from Montezuma, and twenty miles from Breckinridge; course of vein, northeast and southwest, width, 5 feet, pay vein, 2 feet, pitch, 40°; nature of ore, galena and zincblende; intersected by the Comstock tunnel, at a depth of 700 feet, aggregate length of drifts 1400 feet.

Norse. Owned by the Couara Silver Mining Co·; offices, Peru, and Denver, Colorado; claim, 150 by 1500 feet; located 1875; situated on the northeast slope of Mount Ruby, Peru mining district, seven miles from Montezuma, and twenty-three miles from Breckinridge; course of vein, northwest and southeast, width, 3 feet, pay vein, 6 inches, pitch, 10° east; nature of ore, sulphurets and ruby silver, assay value, 20 to 26,[illegible]0 ounces silver per ton; one shaft 40 feet deep; one adit 90 feet in length.

North Star. D. W. Willey & Co., proprietors; office, Montezuma; claim, 150 by 1500 feet; located 1864; situated on Collier mountain, one mile from Montezuma, and twenty-one miles from Breckinridge; course of vein, northeast and southwest, width, 6 feet, pay vein, 10 inches, pitch, 20°; nature of ore, galena and gray copper, average value, 300 ounces silver per ton; main shaft, 30 feet deep, and two other shafts aggregating 30 feet, three levels 20, 25 and 60 feet in length respectively; yield, $500.

North Star. John Fitzgerald & Co., proprietors; office, Leadville; claim, 150 by 1500 feet; situated on Fletcher mountain, Ten Mile mining district, twelve miles from Breckinridge; course of vein, north and south, width, 2 feet, pitch, 15° west; nature of ore, galena and copper pyrites, value, $100 silver per ton; one adit 25 feet in length, with 20 foot face.

Occidental. Owned by the Colorado Springs Prospecting and Mining Co.; office, Colorado Springs; claim, 150 by 1500 feet; situated on Bartlett mountain, Ten Mile mining district, sixteen miles from Breckinridge; course of vein, southwest and northeast, width, six feet, pay vein, 3 feet, pitch 10° east; nature of ore, galena and gray copper; one shaft, 10 feet deep; worked through a tunnel from an adjoining claim.

Olsen Placer. Henry Shuster and M. J. Cole, proprietors; office, Lincoln City; claim comprises 8,000 square feet of placer ground; situated on South Swan river, Georgia mining district, six miles from Breckinridge.

Ondawa Mining Co., incorporated July 26, 1876; capital stock, $50,000, in 1,000 shares, $50 each; office, Denver; corporators, Henry K. Steele, Harvey P. Platt, Edwin T. Platt, Charles B. Phillips and John Fitch.

Orion. Owned by the Colorado Springs Prospecting and Mining Co.; claim, 150 by 1500 feet; situated on Bartlett mountain, Ten Mile mining district, sixteen miles from Breckinridge; course of vein, north and south, width, 3 feet; nature of ore, galena and copper pyrites; one tunnel, 40 feet in length.

Oro-fino. Owned by J. H. Follett & Co., office, Breckinridge; claim, 150 by 1500 feet; situated on Surles Point near the mouth of Surles gulch, fourteen miles from Breckinridge; course of vein, north and south, width, 12 feet, pitch, 25° northwest; nature of ore, honeycomb quartz and iron pyrites, average value, $30 per ton; one tunnel, 40 feet in length.

Pacific. Owned by J. H. Follett & Co.; office, Breckinridge; claim, 150 by 1500 feet; situated on Surles Point, near the mouth of Surles gulch, Ten Mile mining district, fourteen miles from Breckinridge; course of vein, north and south, width, 12 feet, pitch, 75°; nature of ore, honeycomb quartz and iron pyrites, average value $30 per ton.

Pacific. William Bemrose, proprietor; office, Alma; claim, 150 by 1500 feet; located 1876; situated on North Star mountain, Pollock mining district, ten miles from Breckinridge; course of vein, northeast and southwest, width, 6 feet, pitch, 15°; nature of ore, oxide of iron, average value, $20 gold per ton; one drift, 40 feet in length and 25 feet from surface; yield, $500.

P. G. F. E. Webster, proprietor; office, Montezuma; claim, 150 by 1500 feet; located 1875; situated on Collier mountain, three miles from Montezuma, and twenty-three miles from Breckinridge; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 18 inches; nature of ore, galena and ruby silver, average value, 150 ounces silver per ton; one drift, 40 feet in length.

Pilgrims Folly. Grigg & Co., proprietors; office, Montezuma; claim, 150 by 1500 feet; situated on Tariff mountain, Peru mining district, five miles from Montezuma, and twenty-three miles from Breckinridge; vertical vein, trending east and west, width of pay vein, 4 inches; nature of ore, galena and ruby silver; value, $200 silver per ton; one shaft, 25 feet deep.

Potosi. Edward C. Guibor & Co., proprietors; office, Empire; claim, 50 by 800 feet, patented; located 1865; situated on Glacier mountain, two miles from Montezuma, and twenty-two miles from Breckinridge; course of vein, northeast and southwest, width, 12 feet, pitch, 45°; nature of ore, sulphurets and ruby silver, average value, 230 ounces silver per ton; two shafts, 14 feet in depth respectively.

Pride of the West. James M. Forshey, proprietor; office, Leadville; claim, 150 by 1500 feet; situated at head of Clinton gulch, Ten Mile mining district, twelve miles from Breckinridge; course of vein, north and south, width, 4 feet, pitch, 75° south; nature of ore, carbonate of lead; two shafts, 18 and 30 feet in depth respectively.

Radical and Radical Jr. Montezuma Silver Mining Co., proprietors; office, Montezuma; claim, 150 by 3000 feet; situated on Teller mountain, two miles from Montezuma, and twenty-two miles from Breckinridge; course of vein, northeast and southwest, width, 8 feet, pay vein, 3 feet, nature of ore, galena and gray copper, assay value, 1320 ounces silver per ton; two shafts, 80 and 110 feet deep respectively, one tunnel, 55 feet in length; aggregate length of levels, 185 feet.

Ready Pay. D. L. Southworth & Co., proprietors; office, Montezuma; claim, 150 by 1500 feet, patented; located 1867; situated on Teller mountain, four miles from Montezuma, and twenty-four miles from Breckinridge; course of vein, northeast and southwest, width, 65 feet, pay vein, 2 feet, pitch, 40°; nature of ore, gray copper and galena, average value, 200 ounces silver per ton; one tunnel, 25 feet, and one level 15 feet in length; shaft house, 12 by 14 feet.

Register. Willard Teller, proprietor; office, Denver; claim, 50 by 1600 feet, patented; situated on Glacier mountain, near town of Montezuma, average width of vein, 3 feet, pay vein, one foot; nature of ore, galena, average value, $80 per ton; main shaft, 140 feet deep.

Resumption. Owned by S. C. Emory & Co.; office, Leadville; claim, 300 by 1500 feet; located 1878; situated in Mayflower gulch, Ten Mile mining district, twelve miles from Breckinridge; course of vein, north and south, width, 15 feet, pay vein, 3 feet, pitch, 20° east; nature of ore, galena and sulphurets, average value, 160 ounces silver per ton; one drift, 60 feet in length, and 30 feet from surface.

Rising Sun. Owned by Recen, Allison, and others; claim, 50 by 1500 feet; located 1878; situated on Surles Point, Ten Mile mining district, twelve miles from Breckinridge; course of vein, north and south, pitch, 70°; nature of ore, carbonate of lead, assay value, 28 ounces silver per ton; one drift, 60 feet in length.

Rustler. William L. and Clarence G. Sampson, proprietors; office, Montezuma; claim, 150 by 1500 feet; located 1875; situated on Glacier mountain, Snake River mining district, two miles from Montezuma, and twenty-two miles from Breckinridge; course of vein, northeast and southwest, width, 12 feet, pay vein, 5 inches, pitch, 25°; nature of ore, gray copper and brittle silver, assay value, 200 to 12,000 ounces silver per ton; one drift, 60 feet in length and 40 feet from surface.

Ryan Gulch Placer. Roby & Silverthorn, proprietors; office, Breckinridge; claim comprises 800 by 2800 feet of placer ground situated on the Blue river, thirteen miles from Breckinridge.

Sampson. William L. and Clarence G. Sampson, proprietors; office, Montezuma; claim, 150 by 1500 feet; located 1877; situated on Glacier mountain, two miles from Montezuma and twenty-two miles from Breckinridge; course of vein, northeast and southwest, width, 8 feet, pay vein, 8 inches, pitch, 30°; nature of ore, gray copper and galena, average value, 100 ounces silver per ton; one drift, 120 feet in length, and 60 feet from surface; yield, $400.

Seventy-Six. Owned by Frank and Perry Brandon; office, Leadville; claim, 150 by 1500 feet; situated at the head of Clinton gulch, on the northwest slope of Bartlett mountain, fifteen miles from Breckinridge; vertical vein, trending northeast and southwest, width, 4 feet; nature of ore, iron pyrites and brittle silver, value, $300 per ton; one drift, and one surface opening, 10 and 15 feet in length, respectively.

Seventy-Eight. Robinson & Co., proprietors; office, Leadville; claim, 150 by 1500 feet; situated at base of Robinson mountain, Ten Mile mining district, twelve miles from Breckinridge; course of vein, north and south, width, 4 feet, pitch, 45°; nature of ore, carbonate of lead, value, $200 silver per ton; one shaft, 15 feet deep.

Silver Blossom. Frank Probasco and Calvin Blossom, proprietors; office, Topeka, Kansas; claim, 150 by 1500 feet; situated at head of Mayflower gulch, Ten Mile mining district, fifteen miles from Breckinridge; course of vein, north and south, width, 4 feet, pitch, 15° east; nature of ore, galena and carbonate of lead, value, $100 silver per ton; one adit, 13 feet in length.

Silver Lake. William Bemrose, proprietor; office, Alma; claim, 150 by 1500 feet; located 1878; situated on North Star mountain, ten miles from Breckinridge; course of vein, northeast and southwest, width, 4 feet, pay vein, 2 feet, pitch, 15°; nature of ore, oxide of iron, assay value, one to 7 ounces gold and 80 ounces silver per ton; one shaft, 15 feet deep.

Silver Queen. John W. Jacque, proprietor; office, Leadville; claim, 150 by 1500 feet; situated at base of Robinson mountain, Ten Mile mining district, twelve miles from Breckinridge; course of vein, northwest and southeast, width, 4 feet, pitch, 45°; nature of ore, galena and carbonate of lead, value, 200 ounces silver per ton; one shaft, 15 feet deep, one adit, 25 feet in length.

Silver Spike. Colorado Springs Prospecting and Mining Co.; proprietors; office, Colorado Springs; claim, 150 by 1500 feet; located 1875; situated on Bartlett mountain, Ten Mile mining district, twelve miles from Breckinridge; course of vein, northwest and southeast, width, 6 feet, pay vein, one foot, pitch, 10°; nature of ore, galena and copper pyrites, value, 50 ounces silver per ton; one drift, 20 feet in length.

Silver Wing. St. Lawrence Silver Mining Co., proprietors; office, Canton, New York; claim, 50 by 3000 feet, patented; located 1867; situated on Glacier mountain, Snake River mining district, near Montezuma, twenty miles from Breckinridge; course of vein, northeast and southwest, width, 5 feet; pay vein, 2 feet, pitch, 15°; nature of ore, zinc, galena and ruby silver, average value, 150 ounces silver per ton; one shaft, 50 feet, one tunnel 100 feet and one drift, 400 feet in length; yield, $10,000.

Sisler Placer. John Sisler, proprietor; office, Breckinridge; claim, comprises 1600 by 2400 feet of placer ground; situated in French gulch, Upper Blue mining district, one mile from Breckinridge.

Speckled Quail. Joseph P. Steel, proprietor; office, Breckinridge; claim, 150 by 1500 feet; located 1878; situated in Lincoln city mining district, five miles from Breckinridge; vertical vein, trending northeast and southwest, width, 6 feet, pay vein, 14 inches;

nature of ore, galena; one shaft, 30 feet deep.

Springfield Mining, Ditching and Fluming Co., incorporated June 23, 1871; capital stock, $20,000, in 40 shares, $500 each; offices, Breckinridge, Colorado, and Springfield, Mass.; corporators, John A. Willoughby, A. M. Greenleaf and T. H. Fuller.

Star of the West. Owned by Frank Bunholzer, F. Aicher, and J. Harvat; office, Georgetown; claim, 150 by 1500 feet; located 1873; situated on Taylor mountain, Snake River mining district, twenty-three miles from Georgetown; vertical vein, running north and south, width, 15 feet, pay vein, 5 feet; nature of ore, sulphurets, average value, 15 ounces gold gold, and from 200 to 600 ounces silver per ton; development, one adit 125 feet in length.

St. Cloud. D. W. Willey and T. E. Clery, proprietors; office, Montezuma; claim, 150 by 1500 feet; located 1872; situated on Glacier mountain, two miles from Montezuma, and twenty-two miles from Breckinridge; course of vein, east and west, width, 10 feet, pay vein, 2 feet, pitch, 15°; nature of ore, gray copper and galena, assay value, 500 ounces silver per ton; two shafts, 10 and 25 feet in depth respectively; shaft house 12 by 14 feet.

Stillson Patch Placer. John Sisler, proprietor; office, Breckinridge; claim comprises 800 by 4400 feet of placer ground; situated in French gulch, Upper Blue mining district, one mile from Breckinridge.

St. Louis. John W. Jacque, proprietor; office, Leadville; claim, 150 by 1500 feet; situated on Robinson mountain, Ten Mile mining district, twelve miles from Breckinridge; course of vein, northwest and southeast, width, 4 feet, pitch, 45° southeast; nature of ore, galena and carbonate of lead, value, 200 ounces silver per ton; one shaft 15 feet deep.

Sukey. William W. Webster, proprietors; office, Montezuma; claim, 50 by 3000 feet; located 1864; situated on Glacier mountain, Snake River mining district, near Montezuma, twenty miles from Breckinridge; course of vein, northeast and southwest, width, 10 feet, pay vein, 3 feet, pitch, 10°; nature of ore, galena and zinc, average value, 175 ounces silver per ton; one drift 110 feet in length, and 50 feet from surface; yield, $5,000.

Swan River Placer Mining Co., incorporated May 1, 1878; capital stock, $100,000, in 1,000 shares, $100 each; office, Central City; corporators, Otto Eckhardt, Frederick Wendt, Israel B. Ward, George Ebert, and Frederick Nieninger.

Teller. Montezuma Silver Mining Co., proprietors; office, Montezuma; claim, 150 by 1600 feet, patented; located 1876; situated on Glacier mountain, one mile from Montezuma, and twenty-one miles from Breckinridge; course of vein, northeast and southwest, width, 40 feet, pay vein, 3 feet, pitch, 20°; nature of ore, galena and gray copper, assay value, 60 to 800 ounces silver per ton; one shaft, 30 feet deep.

Thirty per Cent. Colorado Springs Prospecting and Mining Co., proprietors; office, Colorado Springs; claim, 128 by 1500 feet;

located 1875; situated on Bartlett mountain, Ten Mile mining district, twelve miles from Breckinridge; course of vein, northwest and southeast, width, 4 feet, pitch, 10° east; nature of ore, galena and gray copper; one drift, 36 feet in length.

Tiger. Owned by D. W. Willey, T. E. Clery and others; office, Montezuma; claim, 150 by 1500 feet; located 1864; situated on Glacier mountain, one mile from Montezuma, and twenty-one miles from Breckinridge; vertical vein, trending northeast and southwest, width, 5 feet, pay vein, 8 inches; nature of ore, galena, ruby and brittle silver, average value, 500 ounces silver per ton; six shafts, aggregating 90 feet in depth; shaft house, 12 by 14 feet.

Tiger Extension. D. W. Willey & Co., proprietors; office, Montezuma; claim, 150 by 1500 feet, patented; located 1864; situated on Glacier mountain, one mile from Montezuma, and twenty-one miles from Breckinridge; vertical vein, trending northeast and southwest, width, 10 feet, pay vein, 6 feet; nature of ore, galena and gray copper, average value, 150 ounces silver per ton; one shaft, 20 feet deep; one drift, 52 feet in length, and 40 feet from surface; yield, $1,000.

Troy Bar Diggings. Owned by B. F. and J. H. Follett; office, Breckinridge; claim, comprises 260 acres of placer ground worked by hydraulic pressure and situated on Ten Mile creek, Consolidated Ten Mile mining district, thirteen miles from Breckinridge.

Tunnel Lode No. 1. Owned by the Couara Silver Mining Co.; offices, Peru and Denver, Colorado; claim, 150 by 1500 feet; located 1875; situated on Ruby mountain, Peru mining district, seven miles from Montezuma, and twenty-three miles from Breckinridge; course of vein, northeast and southwest, width, 4 feet pay vein, 6 inches, pitch, 30° northwest; nature of ore, galena, average value; 25 ounces silver per ton and 20 per cent lead; one drift, 20 feet in length; reached by the Mount Ruby tunnel at a distance of 41 feet from the mouth, and intersected at a depth of 25 feet.

Vandemoer. Owned by Middleton W. and W. K. Smith and Jasper Ward; office, Alma; claim, 150 by 1500 feet; situated on North Star mountain, Silver Lake mining district, eight miles from Alma; course of vein, northeast and southwest, width, 6 feet, pitch, 10° southeast; nature of ore, oxide of iron; developement, one shaft, 25 feet deep.

Vanderbilt. William King and J. D. Rankin, proprietors; office, Breckinridge; claim, 150 by 1500 feet; patented; located 1870; situated in Pollock mining district, nine miles from Breckinridge; course of vein, northeast and southwest, width, 9 feet; nature of ore, oxide of iron, average value, $36 per ton; one drift, 20 feet in length and 100 feet from surface.

Whitesides. G. G. Jones and Co., proprietors; office, Montezuma; claim, 150 by 1500 feet; located 1874; situated on Glacier mountain, two miles from Montezuma, and twenty-two miles from Breckinridge; course of vein, northeast and southwest, width, 4 feet, pay vein, 15 inches, pitch, 40°; nature of ore, galena, average value, 50 ounces silver per ton; one shaft, 25 feet deep, one tunnel, 25 feet in length.

Wild Wagoner. Lucius Bradshaw and Perry Brandon, proprietors; office, Leadville; located 1874; situated on Fletcher mountain, Ten Mile mining district, twelve miles from Breckinridge; vertical vein, trending northeast and southwest, width, 3 feet, pay vein, 30 inches; nature of ore, galena and oxide of iron, value, 1½ ounces gold and 15 ounces silver per ton; one shaft, 20 feet deep, one adit, 30 feet in length.

Wisconsin. Owned by Griffith G. Jones, E. Jones and J. Thomas; office, Montezuma; claim, 150 by 1500 feet; located 1874; situated on Glacier mountain, two miles from Montezuma, and twenty-two miles from Breckinridge; course of vein, northeast and southwest, width, 20 inches, pitch, 25°; nature of ore, galena and gray copper, average value, 90 ounces silver per ton; one shaft, 25 feet deep.

Wool Sack. Joseph P. Steele, proprietor; office, Breckinridge; claim, 150 by 1500 feet; located 1878; situated in Lincoln City mining district, five miles from Breckinridge; vertical vein, trending northeast and southwest, width, 3 feet, pay vein, 5 inches; nature of ore, galena; two shafts, 30 feet each.

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Boston Mining Co.'s Mill, situated in town of Saints John, one mile from Montezuma and twenty miles from Breckinridge; has a capacity for treating 25 tons of ore in 24 hours, and contains an engine, Blake and Dodge crushers, Cornish rollers, 10 stamps, jigs, tables, furnaces, etc.

Sisapo Mill. John H. Yonley, of Montezuma, proprietor; situated in Montezuma; has a capacity for treating 20 tons of ore in 24 hours.

Sukey Mill. William W. Webster, of Montezuma, trustee; located near Montezuma; has a capacity for treating three tons of ore daily.

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Boulder Valley Coal Co.; capital stock, $3,000,000, John D. Perry, prest., John W. Hanna, supt.; offices, Erie and Denver, Colorado. The property of this company comprises 5,120 acres of land, located in town of Erie, on Boulder Valley Railroad, twenty-four miles from Denver. The mine is developed by two inclines, 200 feet each, and eight entries, aggregating 3,600 feet.

Co-operative Mining Co., incorporated April 7, 1875; capital stock, $5,000, divided into 18 shares; office, Erie, Colorado; organized by John Mackin, Joseph L. Griffith, John McDowell, Hiram Marfell, Joseph George, William Loughlin, Robert Loughlin, James McDowell, John R. Thomas and others.

Greeley Coal Mining Co., incorporated May 28, 1870; capital stock, $10,000, in 1,000 shares, $10 each; office, Greeley; organized by Russell Fisk, William B. Plato, William Inderlied, Thomas Rush, George Pyburn, David Boyd, Samuel F. French, Joseph S. Williams, and Edward T. Nicholls.

Mitchell Coal Mine. Joseph Mitchell, proprietor; property comprises 80 acres of coal land, situated one mile south of Erie, on Boulder Valley Railroad, twenty-four miles from Denver; developed by a main shaft 200 feet, and an air shaft of same depth, four entries aggregating 900 feet in length; total yield, 35,000 tons.

St. Vrain Mining Co., organized under the laws of the State of New York, March, 22, 1877; capital stock, $20,000, in 2,000 shares, $100 each; offices, Denver, Colorado, and 33 Wall street, New York; trustees, R. S. Grant, George N. Wheeler and John Child, I. H. Grant, agent.

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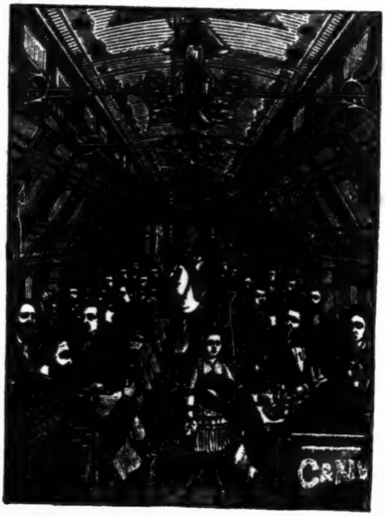

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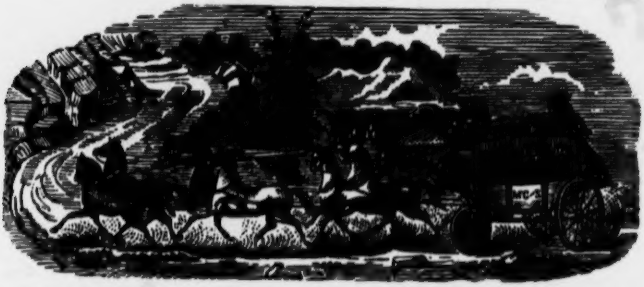

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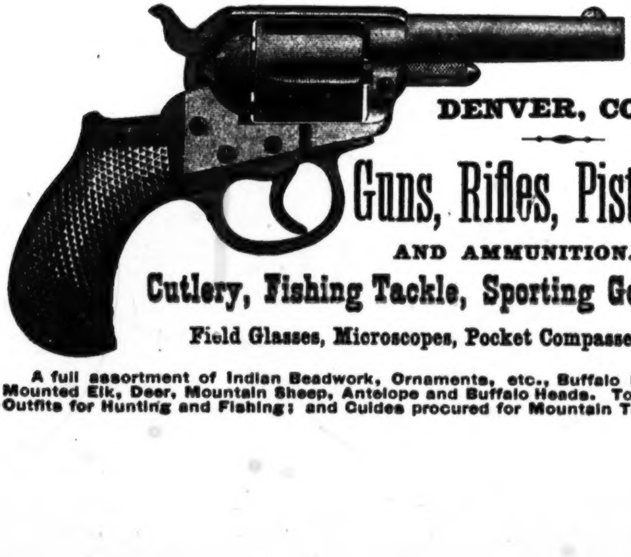

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